Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

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General Chemical Sues Union for $5,800,000

The General Chemical Company, New York, has filed suit in Federal district court, San Francisco, asking damages of $5,800,000, against the International Oil Workers Union, CIO, Local 518, and fifty-six individual defendants.

The company charges that the union went on strike November 23 against a sulphuric acid plant built in 1923 for the Defense Plant Corporation to supply oil refineries in Richmond, Calif., without first observing the 30-day "cooling off" period provided by the War Labor Disputes Act.

The company also charges that the union failed to file strike notice with the War Labor Board, the National Stabilization Board, the Secretary of Labor and the National Labor Relations Board.

According to the complaint, strike pickets, threats and coercion have prevented the company's production and maintenance workers from entering the plant.

U.S. Gets Olive Oil From Spain for Soybean

An agreement between the Spanish Government and the United States for the exchange of American soybean oil for olive oil on an even basis up to 5,000 metric tons has been announced by the Department of Agriculture.

The department said that it will allocate 5,000 metric tons of soybean oil for export to Spain in return for the Spanish Government having agreed to make available an equal quantity of olive oil for export to the United States.

The allocation is being made for the April-June quarter. Application by private exporters for export license for the shipment of soybean oil to Spain should be sent to the Office of International Trade, Department of Commerce, Washington 25, D. C., on Form 419. In order that shipments may be made as early as possible, applications must be received not later than April 25.

In addition to export licenses issued by the Department of Commerce, the exporter will be required to obtain a certificate of subsidy clearance from the Department of Agriculture. Such certificates will be issued by Commodity Credit Corporation's office in New York upon payment of 3¾ cents a pound of crude oil or 4 cents a pound of refined oil.

N.E. Chemical Club Elects Officers

The Chemical Club of New England held its annual meeting at the Parker house, Boston, Mass., April 8. Stanley Lovell, director of research and development for the Office of Strategic Service, was the main speaker. The following were elected officers for the year 1946:—

President, A. A. Lawrence, of Dow Chemical Company; vice-president, J. J. Krackeler, of E. I. du Pont de Nemours & Co., Inc.; secretary, R. B. Anthony, of Solvay Sales Corporation; treasurer, D. C. Knapp, of Mitchell-Wing Company; Executive Board for one year, D. J. O'Connell, of Howe & French, Inc.; Executive Board for two years, T. C. Jesdale, of Monsanto Chemical Company; Executive Board for three years, A. C. Bate, of American Cyanamid & Chemical Corporation.

Dodd Approved as Under Sec. of Agriculture

President Truman's nomination of Norris E. Dodd, of Oregon, as Under Secretary of Agriculture, to succeed J. B. Hutson, resigned, has been approved by the Senate. Mr. Dodd has been director of the field-services branch of the production and market administration of the Department of Agriculture.

Heads US Potash

Horace M. Albright, vice-president and general manager of the United States Potash Company, New York, last week was elected president, succeeding the late Henry McSweeney. Mr. Albright, who has been with the company for thirteen years, is a director of the American Potash Institute and the Potash Export Association, and a member of the executive committee of the American Plant Food Council.

Match 'Trust' Suit Ended by Consent

Final judgment of a Department of Justice civil suit against nine companies and five individuals, charged with being parties to international controls over the manufacture and distribution of matches, was entered in Federal district court, New York May 9.

The defendant corporations, who denied the government's charges but said they consented to the decree in order to get on with their businesses, were the Diamond Match Company, Ohio Match Company, B-F-D Company, Lion Match Company, William Gordon Corporation, Transamerican Match Corporation, New York Match Company, all of New York, and the Universale Match Corporation, St. Louis, and the Swedish Match Company, Jonkopings, Sweden.

According to the government, the defendants, by the judgment, are forbidden to divide world markets in matches, to restrict production or to fix prices of matches, match machinery and chemicals.

It also was contended by the government that the decree gave any manufacturer the right to make an 'everlasting match.' This match, described as one that would light several

—Continued on page 45

Essential Aromatic Corp. Formed by Dr. Katz

The Essential Aromatic Corporation has been organized in New York by Dr. Alexander E. Katz, formerly president and chairman of the board of the Florasynth Laboratories, New York. The new organization, which will deal in essential oils and manufacture aromatic chemicals, will have its offices, laboratories and plant at 304 East Twenty-third street, New York.

Dr. Katz is chairman of the board and president of the new corporation, with A. D. Mizzy, of Mizzy, Inc., New York, executive vice-president. Branch offices of the company have been located in San Francisco, Los Angeles, Seattle, Dallas and New Orleans.

Dr. Katz, who resigned from Florasynth on March 15, had been with that company since 1916, when he started as chief chemist and treasurer. He was elected vice-president in charge of operations and member of the board in 1938, and president and chairman of the board in 1943. He resigned as president on January 1, this year.

National Science Foundation Bill Reported to Senate for Passage

OPD Washington Bureau

A bill for the creation of a National Science Foundation as a substitute for earlier proposals for mobilization of technological research advanced by Senator Harley Kilgore of West Virginia was agreed upon this week by the senate committee on military affairs and reported to the senate for passage. The compromise bill (S.1850) also replaces the so-called scientists bill sponsored by Senator Warren G. Magnuson of Washington, which has been under study by the senate commerce committee.

The chief point at issue between the scientists and the supporters of the Kilgore bill—whether direction of the research programs shall be in the hands of a political appointee—has been reconciled in the new measure through provisions calling upon the President to select the administrator of the foundation from a list submitted by a National Science Board to be made up of nine eminent men which board also is to participate in the direction of research programs in an advisory capacity.

Another controversial point raised in the earlier bills with respect to patent rights to new processes and inventions also has been eliminated by provisions making the federally financed research freely available to the public, but providing protection for the commercial rights of private organizations or individuals who have contributed substantially to a particular development partially financed by federal funds. Unlike the other bills, the new measure makes no revision of existing patent laws.

On the question of social science, the bill provides that all social studies supported by the Foundation must, in fact, be scientific in character.

In providing for a single full-time administrator the bill follows the established principle of executive responsibility which is believed necessary to an agency of the scope of the Foundation. The administrator will not personally carry on the detailed

—Continued on page 45

M.C. Eaton Is President Of Norwich Pharmacal

Melvin Carr Eaton, vice-president and general manager of the Norwich Pharmacal Company since 1938, has been elected president of the company to succeed Frank L. McCartney, who is retiring after holding the office for eight years. Mr. Eaton will retain the post of general manager.

Melvin C. Eaton

Other changes in Norwich executive personnel include the election of Howard A. Sumner, who is executive vice-president of Eaton Laboratories, Inc., as vice-president and director of the Norwich Pharmacal Company; the election of George W. Bengert, director, as vice-president in charge of production, and the election of John Alden as a director and vice-president in charge of advertising.

FPVPC Advisers Will Meet May 3-4

The Spring meeting of the advisory committee of the Federation of Paint and Varnish Production Clubs will be held May 3 and 4 in the Ritz-Carlton hotel, Atlantic City. In his call for the meeting, President Paul O. Blackmore says that a two-day meeting is necessitated by the unusual amount of important work included in the agenda.

All local constituent clubs are urged to send their appointed representative or a duly accredited alternate to the meeting. Room reservations should be handled directly with the hotel. The federation advisory committee should be mentioned when writing for them.

Toilet Goods Association Engages Labor Adviser

The Toilet Goods Association has employed the firm of Currie & Gherman as labor industrial relations advisers. The firm of Currie & Gherman, with offices in New York and Chicago, will be available to the membership of the association for discussion of labor developments and problems.

FDA Appropriation Increase Asked

OPD Washington Bureau

Officials of the Food and Drug Administration urged the house committee on appropriations this week to increase the agency's appropriations for the fiscal year 1947 to $3,631,000 in line with recommendations made early in the year by the Bureau of the Budget. Testimony of the officials will be made public at a later date by the committee when it concludes consideration of the annual supply bill for the Federal Security Agency.

The amount being sought is an increase of $593,000 over the current year's appropriations and if granted it would enable the agency to add about 100 additional persons to its enforcement force. Part of the increase also would be expanded work of the FDA in certifying penicillin, insulin and dyes.

Olive Oil Association Re-elects Delapenha

Efforts of the United States to exchange olive oil from the Mediterranean area for soybean oil on a gallon-for-gallon basis has been of some success to date, R. S. Delapenha, of R. U. Delapenha & Co., New York, reported to the directors of the Olive Oil Association of America, who re-elected him association president.

Other officers elected are Clifford T. Weihman, of Smith, Weihman & Co., first vice-president; Alfred Schroeder, of Schroeder Bros., Inc., second vice-president; Albert N. Cory, of the company of that name, treasurer, and Jose M. Calderon, of Victor M. Calderon Co., secretary.

Mr. Delapenha said that Greece has offered 3,000 tons and Spain 5,000 tons of olive oil, and importers are trying to bring about similar deals with Syria and other countries.

Vegetable Oils Control Tightened

OPD Washington Bureau

The Department of Agriculture has announced a revision of WFO 29, covering the use and distribution of cottonseed, peanut, soybean and corn oil, embodying all of the amendments and revisions since November 12, 1943, and making new provisions for the use of these oils by industrial users. Provisions affecting the edible uses of the four vegetable oils remain unchanged.

Under the revised order industrial users of these oils may not use in any calendar month more than one-ninth of the quantity used during the first nine months of 1945. Formerly, natural limitations on the rate of use as well as government priorities and other limitation orders served adequately to control the industrial use of oils. The revision also limits inventories of industrial users to a 45-day supply.

The revised order does not continue the distinction between "prohibited" and other industrial uses, but makes the same provisions applicable to all industrial uses. Use of soybean oil in synthetic resins, which formerly was limited to one-sixth of the quantity used during the first six months of 1945 and required the user's certification, from now on will be handdled no differently from other industrial uses.

Under the provisions of the revised order for industrial users' quotas, any manufacturer who has not established a base period use either under WFO 29, or the reporting requirements of WFO 42, may do so by setting forth in writing his actual consumption figures for each specific industrial purpose during the first nine months of 1945.

Restrictions on industrial use of the oils applies to crude, refined or otherwise processed oils, including fatty acids and mixtures, but not including tank bottoms or foots.

Suppliers will continue to request authorizations to make deliveries to industrial users by application to Fats and Oils Branch, Production and Marketing Administration, U. S. Department of Agriculture, Washington 25, D. C.

Obituaries

Daniel Kovacs

Daniel Kovacs, president of the Royal Manufacturing Company of Duquesne, manufacturing chemist, Brooklyn, N. Y., died April 5. He was fifty-two years of age. A native of Hungary, Mr. Kovacs graduated from the University of Pittsburgh in 1914. He was one of the founders, in 1907, of Royal's predecessor, Saxon Products and Bugine Insecticides. The company recently was acquired by the Greater New York Industries, Inc.

Benjamin H. Old

Benjamin H. Old, president of B. H. Old & Company, spice importer, New York, died in Murray Hill, N. J., April 10. He was sixty-eight years old. Mr. Old started in the spice importing trade around 1890 with John Kissock & Co. After fifteen years with that firm he formed the partnership of Old & Wallace, and in 1922 formed B. H. Old & Co.

Mr. Old was active in the American Spice Trade Association and served as its president four times.

Dr Milton J. Rosenau

Dr. Milton J. Rosenau, dean of the school of public health at the University of North Carolina, and former dean of the public health school at Harvard, died in Chapel Hill, N. C., April 9. He was seventy-seven years old.

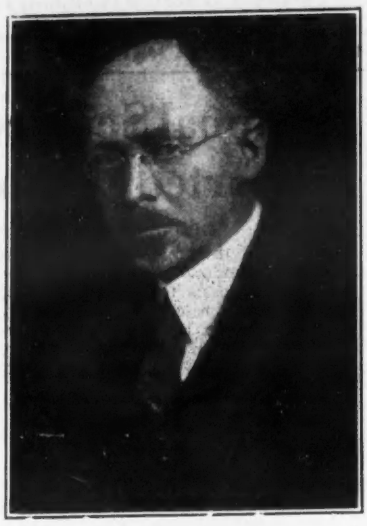
A native of Philadelphia, Dr. Rosenau joined the United States Public Health Service in 1890 and went to Harvard in 1909. There he established, and headed until 1935, the world's first school of public health. He went to North Carolina in 1935.

Dr. Rosenau, who was president of the American Public Health Association in 1944, made numerous contributions to advances in preventive medicine, including research in yellow fever, malaria, typhoid, influenza, infantile paralysis, and animal diseases.

—Continued on page 48

Corning Glass Names Honorary Vice-Chairman

Dr. Eugene C. Sullivan, vice-chairman of the board and director of research for the Corning Glass Works, Corning, N. Y., has been named hon-



Dr. Eugene C. Sullivan

orary vice-chairman of the company. He has been succeeded as vice-chairman by Glen W. Cole, formerly president, and as director of research by Dr. Jesse T. Littleton, a vice-president and formerly associate director of research.

William C. Decker, formerly vice-president, has been named to succeed Mr. Cole as president, and Charles D. La Follette, vice-president and director of sales, will assume the additional duties of treasurer. He succeeds John L. Ward, who was appointed manager of the company's bulb and tubing division.

Eugene W. Ritter, vice-president, and Mr. La Follete and Mr. Decker were elected to the board of directors.

AIF to Meet

The Agricultural Insecticide and Fungicide Association will hold its semi-annual business meeting at the Westchester Biltmore Country Club, Rye, N. Y., April 25-26.

OPD Price Index

The Oil, Paint and Drug Reporter's relative record of prices for chemicals and related materials is currently as follows:—

Apr. 11, 1946	Apr. 4, 1946	Apr. 13, 1945
134.8	**134.8**	**132.2**

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

Price changers were less active last week in the markets for chemicals, oils, and drugs, still mostly on the up side; but they covered a broader area than that of the previous week. Beeswax, on the up side, brought in the animal kingdom; quicksilver, pushed down, introduced the mineral group. The regularly affected vegetable lines made up most of the movement. The effect on the whole was balanced.

Late Markets

Cottonseed Oil Supply Off

Refined cottonseed oil consumption totaled 199,195 barrels during March, as compared with 203,325 barrels in February, and 277,698 barrels in March, 1945, according to a Census Bureau report. The visible supply of seed and oils at the end of March has been estimated at 1,492,000 barrels, against 1,756,000 barrels a year ago.

Fertilizer Demand Unsatisfied

Limitation of available nitrogenous products restricted buying at Chicago. Baltimore reported more orders for superphosphate than can be filled. Absence of stocks at Los Angeles forcing sellers of ammonia sulphate, ammonia phosphate and other fertilizer materials to accept orders on a when and if basis.

Theobromine Ceiling Off

The Office of Price Administration announced April 10 that refined theobromine has been exempted from price control.

Lead Rationing Asked by CPA

OPD Washington Bureau

Facing a loss of more than 50 percent of normal lead production by current management-labor disputes, the Civilian Production Administration has issued a statement of policy calling upon lead producers and smelters to adopt voluntary rationing measures to spread the available lead supply to meet the greatest number of immediate needs. Other CPA moves included freezing the government lead stockpile at its present level and establishing plans to channel surplus property lead to industrial users.

While the lead conservation order (M-38) governs the end use of lead, no controls are in effect at the producer and smelter level, CPA pointed out. These groups are now charged with the responsibility of rationing available supplies as equitably as possible during "the current emergency," CPA said.

In view of this situation, the Civilian Production Administration has requested conformance with the statement of policy outlined below:

1. Lead producers shall ration all deliveries so that no individual or class of customers will receive more lead than is needed for immediate use.

2. All types of lead fabricators shall supply the minimum needs of the largest possible number of their customers giving to each a fair proportionate share.

3. PR-32 will continue present restrictive inventory provisions.

The government stockpile will be frozen at its present level and will only be released for emergency maintenance and repair uses which have to do with public health and safety, such as, requirements of hospitals, public utilities, and transportation facilities, if lead is unobtainable elsewhere.

During this emergency the Tin, Lead and Zinc Branch will work closely with the War Assets Administration to keep them informed of manufacturer's urgent needs for tin, lead and tinlead alloys available from government-owned surplus which will keep plants operating Such persons may make their needs known to the Tin, Lead and Zinc Branch, Civilian Production Administration who will forward them immediately to the War Assets Administration for their consideration.

Economic Poisons Bill Reported to House

The Flannagan bill (H. R. 5645) for regulation of the marketing of economic poisons and devices was formally reported to the house April 8 by the committee on Agriculture. An effort will be made at an early date to bring it before the house for passage.

The only change made in the measure by the committee from the form in which it had been reintroduced March 1 after several days of hearings was the elimination of provisions that would have required the registration of economic poisons annually with the Secretary of Agriculture. As the bill now reads the article needs to be registered but once and this registration will stand until there has been some change in the labeling.

The proposed legislation is intended to replace and expand the protection afforded by the present Insecticide Act of 1910. Since 1910, the committee explained, great changes have occurred in the field of economic poisons, and the present law is now inadequate.

Among the important improvements over existing law, which are provided for in the bill, are:—

1. A provision requiring the registration of economic poisons prior to their sale or introduction into interstate or foreign commerce.

2. The inclusion of provisions for protection of the public against poisoning by requiring prominently displayed poisons warnings on the labels of highly toxic economic poisons.

3. A provision requiring the coloring of dangerous white powdered insecticides to prevent their being mistaken for foodstuffs.

4. A requirement that warning or caution statements accompany the economic poisons whenever, in the judgment of the Secretary, such cautions are necessary to prevent injury, and a provision requiring instructions for use which, in the judgment of the Secretary, are necessary and adequate.

5. A provision declaring economic poisons to be misbranded if they are injurious to man, vertebrate animals, or vegetation, except weeds, when properly used.

6. A provision authorizing the inspection of books and records showing the delivery, movement, and holding of economic poisons and devices.

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Cosmetics Price Control Lifted

OPD Washington Bureau

The Office of Price Administration announced, April 10, the removal of certain cosmetic products from price control. The list of products removed from control are:—

Cold wave solutions, cologne, cosmetic stockings, cuticle removers, eye mascaras and shadow, eyebrow dyes and pencils, eyelash dyes; hair bleaches, except peroxide; hair dyes, hair lacquers, liquid wave sets, perfume; permanent wave creams, solutions and lotions; powdered wave sets and toilet water.

The controls are being retained on such products as toothpaste, shaving creams, face powder, rouge, lipstick, face creams and nail enamel. Some products, such as baby oils, soap-based shampoos and other items containing soap, are also being held under control because of the shortage of fats and oils.

Price Control Bill Reported Favorably

OPD Washington Bureau

The Administration's modified price control extension bill (H. R. 6042) was reported favorably to the house April 9 and will be taken up early next week on the house floor for passage.

The bill extends the Emergency Price Control Act and the Stabilization Act for another year until June 30, 1947, but provides that controls over prices and wages shall be lifted gradually prior to that date as rapidly as conditions make it possible. The President is directed to report to Congress by April 1, 1947, what, if any, of the powers granted by the emergency price control act will require further temporary continuance after June 30, 1947.

Provision is also made in the bill for gradual reduction in subsidies, such reductions to commence at the earliest practicable date, but in no event later than October 1, 1946. Corresponding increases in ceilings are to be allowed as the subsidies are removed, except in those cases where the subsidy had been instituted to bring out added production of a commodity, which added production is no longer needed.

Chemical Plants Released by WAA

OPD Washington Bureau

The War Assets Administration has announced that the following sales and leases of government-owned facilities had been approved subject to compliance with the provisions of the surplus property act and the applicable regulations issued. They are:—

Cleveland Graphite Company, Area No. 1, Cleveland, Ohio, sold to Bowman Products Company, Cleveland, Ohio. Sale price, $271,816.

Cleveland Graphite Company, Area No. 2, Cleveland, Ohio, sold to Kromex Corporation, Cleveland, Ohio. Sales price, $275,000.

Heyden Chemical Corporation, Princeton, N. J., sold to Heyden Chemical Corporation. Sales price, $1,700,000.

J. R. Simplot Fertilizer Company, Pocatello, Idaho, sold to J. R. Simplot Fertilizer Company. Sales price, $293,045.33.

Reichhold Chemicals, Inc., Detroit, Mich., sold to Reichhold Chemicals, Inc. Sales price, $305,731.38.

Argentina Removed From Restricted List

OPD Washington Bureau

The Department of Commerce has removed Argentina from the list of countries to which restrictive export regulations apply, paving the way for resumption of normal trade with that country.

The department's announcement stated that "general license privileges, which enable exporters to ship freely to most countries United States commodities that are in short supply, are now extended to include Argentina."

The only countries remaining on the restricted list are Spain and its possessions, the possessions of Germany and Japan, and Andorra, Austria, Bulgaria, Hungary and Romania. No private trade whatever is permitted with Germany and Japan.

Washington Talks It Over

The OPD Observer

A marked change has taken place in the past several weeks in OPA pricing policies. While the agency's avowed purpose of holding a checkrein over inflationary price rises is still basic in its underlying actions, officials are being much more liberal than heretofore in granting industry's requests for upward adjustment of ceilings, and are acting more promptly.

For example, since the first of the month, the agency has allowed increases in ceiling prices on a score or more commodities and has suspended ceilings entirely on several hundred more. Relief has been granted to such widely divergent industries as manufacturers of cigars, textiles, wood millwork, cosmetics, fractional horsepower motors, and sellers of construction machinery and equipment. About the only industry that hasn't benefited by some specific action so far is the chemical industry.

This changed complexion on the part of OPA is officially traced directly to the increased costs that manufacturers and distributors are facing in the postwar period. But the fact also stands out that there was a change in the topside personnel of the agency about a month back, and that Congress now is in the midst of considering the extension of its life.

As one wag puts it, OPA gets religion just about this time every year when the lawmakers are confronted with the problem of its continued existence.

2:4-D No Hayfever Cure

As so often happens, when attempts are made to dramatize a new product to bring it to the attention of the public, the result is often confusion in the public mind and a mistaken idea of what the product will do. It happened in the case of penicillin, and now it is happening with the new herbicide, 2:4-D.

The fact that 2:4-D kills many weeds, including ragweed, has led to reports that it is a cure for hayfever. In some statements that have come to the attention of the Department of Agriculture, the chemical has been referred to as a drug and as "an aid in the cure of hayfever."

The department wants it emphatically understood that it has never spoken of the herbicide as a drug or as a cure for hayfever. Ragweed does produce great quantities of pollen and is a principal cause of hayfever, but there are other chemicals besides 2:4-D that will kill ragweed, such as certain dinitro compounds, sodium chlorate, and ammonium thiocyanate.

So, don't expect your doctor to prescribe 2:4-D for that hayfever. Get it from a hardware store or from a dealer in farm supplies—and put it on the weed, not in your nose.

Drug Danger Warnings

The plan of the Food and Drug Administration to revise its list of suggested warnings for dangerous drugs is still going forward. It has been suggested by producers of proprietary medicines that the project be dropped, but agency officials believe that the industry generally wants the list and they will continue the work on its revision.

It is the feeling of the proprietary manufacturers that it should be left up to the courts whether the type of warning that has been selected by a manufacturer for use is proper. Manufacturers now discuss with FDA the type of labels they intend to use for their products and such discussions could also cover warnings. This, they believe, would aid the agency in its enforcement work.

FDA does not agree, however. It feels that its work would be multiplied rather than lessened, because every manufacturer would feel it necessary to get FDA's okay on every warning he wished to use. With a list of suggested warnings at hand, he could readily determine whether his warning statement would conflict with official opinion and thus save time and trouble of taking it up with officials.

Trust-Busting Crimped

The antitrust division of the Justice department has been taken to task by the house appropriations committee for the way it has been conducting itself in the field of investigations. The committee feels that the division has been engaging in too much witchhunting while overlooking more obvious infractions of the law. This is what the committee said about the division recently in reporting the department's appropriation bill for 1947:—

While it is generally agreed that our free enterprise system must be kept free of the restrictions inherent in price-fixing and other monopolistic practices, it is the sense of the committee that the division is gradually losing its perspective in the field by devoting too much personnel and effort to minutiae to the harassment of business generally. A number of instances of misguided investigations and prosecutions of the little businessman have come to the attention of individual members of the committee, and it is with the thought of having the division direct its efforts more to the real monopolistic dangers in this nation rather than to the detailed control of small establishments that this reduction is made.

To impress its views on the department, the committee reduced the divisions funds $200,000 below budget recommendations and $175,000 below the current year's appropriation, providing the agency with only $1,700,000 for fiscal 1947.

German Industrial Data

The Office of the Publications Board, which is the agency that has been issuing the reports of the TIIC committees on German industries, is about to begin the second phase of its work—the microfilming in Germany of German technical documents that may be valuable to American science and industry. And OPB would like some advice and help from American industry on this project.

In large measure, these documents make up the basis of many of the reports filed by the TIIC committees, and in most instances contain the basic data or "know-how" for making use of the new processes uncovered in the reports of TIIC investigators. There are literally tons of these docu-

—*Continued on page 40*

Penicillin Quotas For April Set

OPD Washington Bureau

Production of penicillin is currently running at 300 percent of the December, 1945, rate, the Civilian Production Administration said April 10 in reporting the April allocations of the product. However, production of streptomycin is still too low to meet even military needs but 32 percent of the supply has been allocated in April for civilian and research purposes, the agency reported.

Penicillin estimated to be available in April is approximately 2,178,175 billion units, compared with 737.55 billion units in December, 1945.

In accordance with the large production increase and the fact that the heaviest seasonal demand for the drug for respiratory diseases has passed, CPA has increased allocations for export to a new high level to help satisfy the pressing worldwide penicillin need.

Initial allocations of penicillin in billions of units for April and March of 1946 follow:—

	March	April
Military ...	221,100,000,000	224,000,000,000
Other government agencies...	50,000,000,000	46,000,000,000
Civilian[1] ...	869,750,000,000	746,925,000,000
Civilian[2] ...	70,000,000,000	127,000,000,000
Civilian[3] ...	338,650,000,000	334,250,000,000
Export[1]	330,000,000,000	500,000,000,000
Export[2]	50,000,000,000	200,000,000,000
Total	1,889,500,000,000	2,178,175,000,000

[1] For injection.
[2] Bulk.
[3] Dosage forms.

Streptomycin Supply Estimated for April

OPD Washington Bureau

Streptomycin availability for April is estimated at about 29,900 grams, compared with about 27,260 grams in March, according to the Civilian Production Administration. This production rate is not yet on a commercial scale and is far too low to meet military requirements. Distribution of streptomycin in grams for April is as follows:—Military, 15,935 grams; other government agencies, 4,500 grams; research and civilian, 9,465 grams.

Potash Allocation Control Asked

OPD Washington Bureau

A recommendation that potash salt be put back under allocation was unanimously recommended at a meeting of the Potash Producers Industry Advisory Committee as a measure to protect the 1946-1947 domestic food production program, the Civilian Production Administration has announced.

The proposal to return to government allocation was first made at its previous meeting on March 4, 1946. CPA officials were reluctant to reinstitute controls at that time, in line with the general policy of eliminating wartime restrictions whenever possible.

Potash was removed from allocation on September 30, 1945, but delivery contract commitments through March of this year delayed the actual revocation of controls to April 1.

The current recommendation to CPA which contemplates the reestablishment of delivery quotas by June 1, 1946, stipulated that allocation be accomplished through the fertilizer and chemical manufacturers.

The potash producers' specific recommendation at this time reads as follows:—

Resolved: That the Potash Producers Industry Advisory Committee recommends that allocation of potash be reestablished on the pattern of Schedule 98 of order M-300 (the former potash order) with due regard given to changed needs, demands and areas of consumption, with the understanding that the allocation is to be by chemical and fertilizer manufacturers, and that special situations envisioned by the George act are to be given due consideration.

It was pointed out that the George act provides for newcomers in the industrial field. The reinstatement of controls, CPA said, were deemed necessary to meet the food production goals established by the Department of Agriculture.

Lending strength to the allocation recommendation was the disclosure by officials of CPA's Chemical Division that domestic farm fertilizer needs would require 800,000 tons of potash (on a potassium oxide basis) out of an estimated 903,000 ton supply. Industrial requirements were estimated at more than 100,000 tons and export set-asides for Western hemisphere requirements might be higher than the 64,000 tons set aside last year. According to this there will be a 61,000-ton deficit this year before giving any consideration to any of the Japanese requirements mentioned at the previous meeting. (See CPA Release LD-52, March 5, 1946.)

At that time the committee was informed by a government official recently returned from Japan that that country faced a serious food and fertilizer problem. Normal Japanese imports of potash fertilizer materials were from Germany and the United States, but there appears to be little likelihood of a resumption of this trade during the next few months, it was indicated.

While Germany is normally an important source of potash production, only enough is being mined currently to meet part of the local European needs, it was reported.

In considering the domestic production situation, the committee indicated that further increases in American potash production are unlikely at the present time. Members pointed out that production had been virtually static, rising only 20,000 tons in 1945 from the 871,000-ton production level in 1944, while only a 12,000-ton increase or 903,000 tons was expected for 1946. No new areas are being mined while drought in the important New Mexico supply area may cut down output there.

Phosphate Rock Output Up in 1945

Phosphate rock production in the Western states of Idaho, Montana, Utah and Wyoming was 203,722 tons in 1941, compared with 265,665 tons in 1942, 228,680 tons in 1943, 298,999 tons in 1944 and 274,198 tons in 1945.

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ACS Discusses War Developed Chemicals

The outstanding contributions of the chemical industry to the war effort, and the peacetime application of products developed by wartime research, were reported to more than

Col. Bradley Dewey

10,000 members at the 109th annual meeting of the American Chemical Society in Atlantic City, N. J., last week.

Colonel Bradley Dewey, president of the society, opened the meeting by voicing his pride in the record established by the industry during the war. Without the contributions of chemists and chemical engineers, American losses in life would have been of a magnitude such as suffered by Russia in the early days of her participation in the war, he said.

Colonel Bradley deplored the manner in which science was drained of new blood by the selective service act, but applauded the present-day trend of government-supported and government-financed basic research.

Tribute to civilian scientists also was given by Robert P. Patterson, Secretary of War, who said that the safety of the United States depends on thorough awareness by the chemist and the chemical industry that national security will be dependent in large part on their contributions.

Maj. Gen. Alden H. Waitt of the Chemical Warfare Service, who introduced Mr. Patterson, said that he hoped to build for the CWS a research organization strong enough to discharge the important task assigned to it and that he realized the bulk of the technical brain power must be furnished by civilian scientists. The actual work of research and development must, and will be in their hands, he said.

The major part of the week's meeting was devoted to sessions of the society's sixteen divisions.

Cheves Walling and Emorene R. Briggs, of the United States Rubber Company, reported on the thermal polymerization of methyl methacrylate at a meeting of the division of paint, varnish and plastics chemistry. With the use of suitable precautions, exclusion of air and light and, preferably, the presence of an antioxidant such as hydroquinone, methyl methacrylate has been found to give a reproducible rate of thermal polymerization in the temperature range 100 to 150 degrees centigrade, they stated.

A paper prepared by E. P. Painter and L. L. Nesbitt, of North Dakota agricultural college and experiment station, on the nitrogenous constituents of flaxseed and the separation of proteins from flaxseed, was read before a session of the division of agricultural and food chemistry.

—*Continued on page 60*

Michigan Chem. Offers Two New Bromides

The Michigan Chemical Corporation, St. Louis, Mich., has released two new bromine products. They are 2-bromothiophene and methylene bromide. Michigan Chemical claims to be the first to produce the former product commercially.

Stream Pollution Measure Approved

OPD Washington Bureau

Legislation authorizing annual appropriations of $100,000,000 to combat stream pollution was authorized April 10 by the House rivers and harbors committee. Through its jurisdiction over navigable streams, the Federal government would be given broad authority to compel compliance with plans to purify water polluted by industrial sewage and other wastes.

Chem. Market Research Ass'n to Meet April 25

The fourth annual meeting of the Chemical Market Research Association will be held at the Statler hotel, Detroit, April 25. The first session of the day will be luncheon, at which Leland I. Doan, vice-president of the Dow Chemical Company, Midland, Mich., will be speaker.

The general topic of the technical session, which will start at 2 p.m., will be "Techniques of Market Research." James G. Park, of the Standard Alcohol Company, New York, and president of the association, will act as chairman. Speakers and their subjects will be:—

"The Technique of Conducting an Interview," Lawrence G. Lockley, of E. I. du Pont de Nemours & Co., Wilmington, Del.

"The Use of Mail Questionnaires in Industrial Marketing," John C. Spurr, McGraw-Hill Publishing Company, New York.

"Visual Presentation of the Market Research Report," Wroe Alderson, of Wroe Alderson Associates.

"An Example of the Technique of Salesforecasting," H. C. Knepper, of Owens-Illinois Glass Company, Toledo, Ohio.

The speaker for the dinner, which will be served at 6:30 p.m., will be announced later.

Military Chemicals Jayhawk Lease Approved

OPD Washington Bureau

The War Assets Administration announces that it has approved a prime lease and a supplemental lease for operation of the Jayhawk Ordnance Works by the Military Chemical Works, Inc., Kansas City, Mo., which will use the plant for the production of ammonia products for use in the fertilizer and explosive industries.

The prime lease covers approximately 63 percent of the plant and runs for a period of ten years with an option at the end of that period to renew the lease for another period of five years.

The supplemental lease covers the remaining facilities of the plant and runs for a five-year period with an option to renew annually thereafter during the life of the prime lease.

Capacity of the plant during the war amounted to 13,140 tons monthly of anhydrous ammonia and liquid ammonium nitrate. The plant will be used by Military Chemicals for the production of anhydrous ammonia, grained ammonium nitrate for sale to the fertilizer industry, technical grade ammonium nitrate for explosives, and ammoniating solutions for sale to the fertilizer, dry-ice, methanol, and explosives industries.

Drying Oils Situation Viewed From Divers Angles

Continued from April 8 issue

This season's supply of linseed oil for use in paints and other drying applications is not going to be enough to maintain even the current rate of manufacture of endproducts. How much industrial quotas will be reduced before next Fall cannot be foretold, and whether linseed oil will keep on going into the edible field is anybody's guess.

If the program of purchase of Uruguayan flaxseed goes through at 100 percent of expectations, it should provide about 72,000,000 pounds of oil. The estimated inadequacy of the otherwise expected supply is about three times that much.

Reports on this year's domestic plantings of flax for seed are still too indefinite and confusing to permit informative comparisons. Texas agriculture is favorably minded with respect to flaxseed as a successor to its greatly diminished cotton growing, but it is uncertain of its intentions as it tries to find a way of utilizing the straw, preferably in the making of paper. No plans can change the fact that, of the 600,000,000 pounds of linseed oil estimated to be needed up to August, this year, much must be got from other countries, no matter what oils may be used to make up the country's total needs of 1,000,000,000 pounds of drying oils a year. The supply of linseed oil is expected to fall short at least 30 percent.

Chemical treatment of linseed oil is expanding the use of that oil, said Dr. Alexander Schwarcman, of Spencer Kellogg & Sons, at the New Orleans meeting of the Southern Paint and Varnish Production Club, March 21. Some of the treated oils are very close to tung oil in drying properties. The industrial and commercial status of maleated and other treated linseed oils will depend to an extent on the supply conditions in tung oil and perilla oil. The alkali-refined linseed oils have the advantage of fast drying. Other treated oils are desirable because of their fast cooking properties.

Experimentation with linseed oil treated with pentaerythritol for the making of varnishes with rosin is showing some gratifying promise. New treated linseed oils are being marketed under trade-names—'Kellogsel,' 'Helvitol,' and so on.

On the Soybean Side

Much has been done, especially in the Northern Regional Laboratory of the United States Department of Agriculture, Peoria, Ill., in the development of useful and satisfactory drying oils from the semidrying oil obtained from the soybean. A review of the department's work was given at the Farm Chemurgic Conference, in St. Louis, March 18, by Carl F. Speh, assistant chief of the Bureau of Agricultural and Industrial Chemistry. The drying soybean oils ("Drysoy," "Kellsoy," and others) are much like linseed oil and are handled the same in cooking processes.

The supply outlook with reference

—*Continued on page 77*

Franklin Medal Won By Sherman, Tizard

Dr. Henry Clapp Sherman, professor of chemistry at Columbia University, and Sir Henry Thomas Tizard, president of Magdalen College, Oxford University, will receive the

Dr. Henry C. Sherman

Franklin Medal of the Franklin Institute, Philadelphia, at ceremonies in that city, April 17.

Dr. Sherman will receive the award for "his many contributions to the science of nutrition," and Sir Henry will be honored for his work on internal combustion engines relating to fuel economy in the field of aeronautics.

Prices, Distribution Problems to Be Discussed

Distribution and prices will have an important place on the program of the thirty-fourth annual meeting of the Chamber of Commerce of the United States, to be held at Atlantic City, N. J., April 30 to May 2. Prices will be the subject of consideration at one of the general sessions on April 30 when Edward N. Allen, president of Sage-Allen & Co., Hartford, Conn., and newly-elected head of the American Retail Federation, will speak on the topic, "Getting Out from Under Price Controls." In addition, there will be a group session on May 2 to discuss general problems involved in making distribution a full-scale partner in American production. Speakers at this session will include Paul Porter, OPA administrator; Benjamin H. Namm, president of the National Retail Dry Goods Association, and Fenton B. Turck, of Turck, Hill & Co., New York City.

Petroleum Advisory Group Dissolution Asked

Dissolution of the industry advisory committees which served the Petroleum Administration for War from the time of its organization in 1941 was called for April 10 by Deputy Administrator Ralph K. Davies.

In letters to the chairmen of the five district general committees and the chairmen of the five functional committees in each district, Mr. Davies pointed out that PAW is moving to an early termination of its activities, thus concluding the activities of the industry advisers.

Mineral Deposits Data Available

The following maps and data may be inspected at the office of the geological survey in Washington:—

A geologic and topographic map and brief report on the Parrott Springs barite mine, Cartersville District, Bartow County, Ga.

A preliminary report on pumping tests on sodium-magnesium sulfate brine wells near Carlsbad, N. M.

A report and geologic map of the Grayhouse area, Amador county, Cal., in the Foothill copper-zinc belt of the Sierra Nevada.

A preliminary report, "Excelsior High-Alumina Clay Deposit, Spokane County, Wash."

A preliminary report on "Excelsior High-Alumina Clay Deposit, Spokane County, Wash.," accompanied by maps.

Report and map of a study of the Nulsen barite mine, near Cartersville, Ga.

Association Meeting Dates

American Drug Manufacturers Association, Cavalier hotel, Virginia Beach, Va., May 6-9.

American Institute of Chemists, Biltmore hotel, New York, May 17-18.

American Pharmaceutical Manufacturers' Association, Chateau Lake Louise, Alberta, Canada, June 10-13.

American Society of Refrigerating Engineers' Spring Meeting, St. Paul, Minn., June 2-5.

American Spice Trade Association, Astor hotel, New York, May 6-8.

American Trade Association Executives, Ritz-Carlton hotel, Atlantic City, N. J., April 29.

American Tung Oil Association, San Carlos hotel, Pensacola, Fla., April 26-27.

American Turpentine Farmers Association, Valdosta, Ga., April 16-17.

Chamber of Commerce of the United States, Convention hall, Atlantic City, N. J., April 30-May 2.

Chemical Market Research Association, Statler hotel, Detroit, April 25.

Flavoring Extract Manufacturers' Association, Drake hotel, Chicago, June 2-4.

National Association of Purchasing Agents, Chicago, May 27-29.

National Wholesale Druggists Association, Palmer House, Chicago, April 17-18.

Plastic Exposition, Grand Central Palace, New York, April 22-27.

Proprietary Association of America, Biltmore hotel, New York, May 13-15.

Society of the Plastics Industry, Commodore hotel, New York, April 23-24.

Toilet Goods Association, Waldorf-Astoria hotel, New York, May 15-17.

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MANAGING DIRECTOR

Current Market Quotations Chemicals and Related Materials

April 11, 1946

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

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A

Acacia (see Gum, Arabic).

Acetaldehyde, 99%, dms., 55 gals., works..lb. .11 - —
5 and 10 gals., works....lb. .14 - —

Acetaldol (see Aldol).

Acetamide, CP, fib. dms., 5,000 lbs. a year, works..lb. .36 - —
smaller lots, works.....lb. .38 - .70
tech., fib. dms., 5,000 lbs. a year, works..lb. .28 - —
smaller lots, works.....lb. .30 - .50

Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls.....lb. .36 - .37
kgs. .....lb. .37 - .39
powd., bbls.....lb. .34 - .35
kgs. .....lb. .35 - .37

Acetic anhydride, dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld.....lb. .13 - —

Acetoacetanilide, bbls., dms...lb. .49 - .67

Acetone, CP,[1] dms., c.l., dlvd.lb. .07 - —
l.c.l., dlvd..... .lb. .07½- —
tanks, dlvd.....lb. .06 - —
Methyl (see M).

Acetonitrile, dms., c.l., works..lb. .35 - —
l.c.l., works.....lb. .40 - —
5-gal. lots, works.....lb. .45 - —
less than 5-gal. lots, works..lb. .50 - —

Acetophenetidin, USP, bbls., kgs., 1,000-lb. lots..lb. 1.00 - —
dms. .....lb. 1.08 - 1.10

Acetophenone, cns., dms.....lb. 1.50 - 1.75

Acetyl chloride, cbys., works..lb. .60 - —

Acid, abietic, dms., c.l., wks..lb. .07½- —

Acetic,[1] com'l or redist., 28%, bbls..100 lbs. 3.38 - 3.63
50%, bbls.....100 lbs. 5.58 - 5.83
70%, bbls.....100 lbs. 6.68 - 6.98
80%, bbls.....100 lbs. 7.47 - 7.72
99.5%, bbls.....100 lbs. 9.15 - 9.40
glacial, nat., e.p., dms., works, 100 lbs 12.50 -13.25
99.5%, bls.....100 lbs. 9.15 - 9.40
tanks .....100 lbs. 6.98 - 7.25
synth., tech., bbls., works, 100 lbs. 9.15 - 9.40
dms., works.....100 lbs. 9.25 - 9.75
tanks, works.....100 lbs. 6.98 - 7.25
USP, dms., works..100 lbs.10.50 -11.00
pure, 30%, bbls.....100 lbs. 4.41 - 4.69
36%, bbls.....100 lbs. 4.86 - 5.11
60%, bbls.....100 lbs. 7.60 - 7.85
80%, bbls.....100 lbs. 9.25 - 9.51
USP, 36%, cbys.....lb. .08 - .10

Acetic acid price ranges above are for c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride).

Acetylsalicylic,[1] special, USP, bbls., makers, primary distrib., point of shipm't, 100-lb. lots..lb. .45 - —
smaller lots.....lb. .46 - .50
standard USP, fine cryst., gran. (20-40 mesh), powd. (50 mesh), bbls., same basis. lb. .40 - .54

Freight equal'd, shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich., Chicago and St. Louis.

Adipic, fib. dms., works.....lb. .26½- —

Aminoacetic, USP (see Glycine).

Anthranilic, resub., bbls.....lb. 1.20 - 1.25
tech., bbls.....lb. .95 - —

Arsenous, tech. (see Arsenic, white).
USP, powd., dms., kgs....lb. .20 - .22

Ascorbic,[1] USP, dms., 500-kilo lots..kilo.24.50 - —
25-50 kilo lots.....kilo.25.00 - —
10-kilo lots.....kilo.25.35 - —
5-kilo lots.....kilo.25.70 - —
bots., kilo lots.....kilo.26.41 - —
500 grams.....kilo.27.47 - —

Battery, cbys., c.l., E. works.. 100 lbs. 1.60 - —
l.c.l., E. works.....100 lbs. 1.95 - 2.05

Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. up..lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,000 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .58 - .59

Betaoxynaphthoic, bbls., works. lb. .95 - —

Boric, tech., 99.5% cryst. (same as prices for powder).
gran., bgs., c.l., frt. alld.. ton.99.00 - —
ton lots, ex whse..ton.111.00 - —
less than ton lots, ex whse..ton.116.00 - —
bbls., c.l., frt. alld..ton.109.00 - —
ton lots, ex whse..ton.121.00 - —
less than ton lots, ex whse..ton.126.00 - —
bulk, frt. alld.....ton. 95.50 - —
powd., bgs., c.l., frt. alld.. ton.104.00 - —
ton lots, ex whse..ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld..ton.114.00 - —
ton lots, ex whse..ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —
USP $25 per ton higher.

Butyric, 99%, dms., c.l., works, lb. .29 - —
l.c.l., same basis.....lb. .30 - —

Brenner's bbls. .....lb 1.11 - —

Acid, cacodylic, bots.....lb.13.50 -14.50
Camphoric, cns.....lb. 6.95 - 7.00
Caprylic, 99%, dms.....lb. No stocks
Capric, tech., ret. dms.....lb. No stocks
Castor oil,[1] split, ret. dms...lb. No stocks
Chlorosulphonic, dms., c.l., works..lb. .03 - —
l.c.l., works.....lb. .03½- .04½
tanks, works.....lb. .02½- —
Chromic, 99½-99¾%, dms., c.l., lb. .17 - —
l.c.l. .....lb. .17½- .19
Cinnamic, refd., bots.....lb. 3.00 - 3.25
Citric, anhyd., gran., dms., c.l..lb. .22½- —
l.c.l., 10,000 lbs. 1 ship't. lb. .23 - —
smaller lots.....lb. .23½- .26½
kgs. .....lb. .23½- .26¼
USP, cryst., gran., bbls., c.l. lb. .20 - —
l.c.l., 10,000 lbs. 1 ship't, lb. .20½- —
smaller lots, bbls...lb. .21 - —
dms. .....lb. .23 - .24
kgs. .....lb. .21½- —
powdered citric acid, ½c. higher.
Cleve's, bbls.....lb. .65 - —
Coconut oil,[1] dist., dms.....lb. .17¼- .19½
Corn oil,[1] s.d., dms., c.l., wks. lb. .12 - —
Cottonseed oil,[1] s.d., dms., c.l. c.l..lb. .12 - .13
tanks, dlvd.....lb. .11¼- .12¼
Cresylic, dom. coaltar, high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald..gal. .81 - —
l.c.l., same basis....gal. .83 - —
tanks .....gal. .75 - —
Petroleum, heavy grade (247°-298°), dms., 20, Cal. ref..gal. .490 - —
Sewaren, N. J., ref.. gal. .616 - —
1-19, Cal. ref.....gal. .510 - —
Sewaren, N. J., ref.. gal. .636 - —
tanks, dlvd.....gal. .586 - —
light grade (200°-246°), tanks, Cal. ref..gal. .690 - —
medium grade (220°-246°), dms., 20, Cal. ref..gal. .50 - —
Sewaren, N. J., ref.. gal. .636 - —
1-19, Cal. ref.....gal. .570 - —
Sewaren, N. J., ref.. gal. .698 - —
tanks, dlvd.....gal. .646 - —
Crotonic, bbls., Canadian, wks., lb. .25 - —
Dichlorophenyoxyacetic, fib. dms., c.l., works..lb. .30 - —
l.c.l., works.....lb. .85 - .95
Salt, fib., dms., c.l., works..lb. 1.00 - —
l.c.l., works.....lb. 1.10 - 1.20
Diethylbarbituric (see Barbital).
F (see Acid, monosulphonic).
Formic, 85%, cbys., c.l., wks.lb. .10 - —
l.c.l., works.....lb. .10½- .11
90%, cbys., c.l., works....lb. .10½- —
l.c.l., works.....lb. .11 - .11½
Fumaric, tech., bbls., dms..lb. .27 - .31
Gallic, NF V, bbls.....lb. 1.27 - 1.30
fib. dms.....lb. 1.32 - —
technical, bbls.....lb. 1.10 - 1.15
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls....lb. .12 - —
dmjn. .....lb. .21 - .23
kgs. .....lb. .14 - .15
Glutamic hydrochloride, dms. lb. 2.00 - 2.40
Glycolic (see Acid, hydroxyacetic).
H, bbls.....lb. .43½- .48
Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, medicinal, 48%, cbys., dlvd.E..lb. .45 - —
tech., 48%, cbys., same basis. lb. .45 - —
34%, cbys., same basis.....lb. .35 - .37
Hydrochloric (see Acid, Muriatic).
Hydrocyanic, cyls., works...lb. .80 - 1.00
NF, dilute, 2%, 5-lb. bots..lb. .30 - .34
Hydrofluoric, anhyd., cyls., wks. lb. .19 - .19½
tanks, works.....lb. .16 - —
30%, rubber dms., works..lb. .08 - .09
48%, rubber dms., works..lb. .12 - —
52%, rubber dms., works..lb. .12½- —
60%, rubber dms., works..lb. .13½- —
Hydrofluosilicic, 30-35%, bbls.lb. .08 - .09
Hydroxyacetic, 70% tech., bbls., non-return. Phila..lb. .084 - —
tanks, Belle, W. Va., acid basis..lb. .08½- —
Hypophosphorous, USP, djns. lb. .75 - .77
Lactic, edible, 50%, cbys., 20 or more..lb. .12½- —
smaller lots.....lb. .13 - .13½
80%, bbls., 5 or less.....lb. .24½- .24⅝
plastic grade, 50%, bbls., cbys., 20 or more..lb. .14½- —
10 or less.....lb. .14¾- .15½
80%, bbls., cbys., 5 or less. lb. .26 - .26½
tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works... 100 lbs. 6.30 - —
l.c.l., bbls., works.... 100 lbs. 6.55 - —
cbys., works.... 100 lbs. 7.55 - —
light, 22%, bbls., c.l., works. 100 lbs. 3.90 - —
l.c.l., works....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —
USP XII, 85%, cbys.....lb. .54 - .57
USP VIII, 75%, cbys.....lb. .52 - .55

Acid, lauric, dist., 95%, dms..lb. .28 - —
Laurent's, bbls.....lb. .45 - —
Linseed oil,[1,7] light, dms...lb. .21½- .22
Maleic, powd., dms.....lb. .90 - —
Anhydride (see M).
Malic, powd., kgs.....lb. .47 - —
Mandelic, USP, dms., 1,000 lb. lots..lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.30
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic,[1] kgs., works.....lb. .95 - 1.10
Monochloracetic, tech., flakes, 96-97%, dms..lb. .16½- —
purified, flake, 99%, dms...lb. .20 - —
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., E. works....100 lbs. 1.75 - 2.45
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works.... 100 lbs. 1.75 - —
tanks, E works.....ton.22.00 - —
22°, cbys., c.l., E. works.... 100 lbs. 2.25 - —
tanks, E. works.....ton.32.00 - —
CP, USP, consumers, cbys. extra..lb. .08 - —
6-lb. bots., extra.....lb. .10 - —
dealers, cbys. extra....lb. .06½- —
6-lb. bots., extra.....lb. .08½- —
Myristic, dist., dms.....lb. No stocks
Naphthenic, 210-220 acidity, dms., extra, works. lb. .10¾- —
tanks, works.....lb. .09 - —
230-245 acidity, dms., extra, works..lb. .12¾- —
tanks, c.l., works.....lb. .12 - —
Nicotinic, USP, dms.....kilo. 6.50 - 6.60
Nicotinic amide (see Nicotinamide).
Nitric, 36°, cbys., c.l., E. works..100 lbs. 5.00 - —
l.c.l., 36, E., works.100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.35 - —
1 to 9, works....100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
CP, USP, consumers, cbys. extra..lb. .13 - —
7-lb. bots., ca., extra, lb. .13 - —
dealers, cbys. extra....lb. .11½- —
7-lb. bots., ca., extra..lb. .13½- —
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).
Oxalic,[1] bbls., c.l., works....lb. .11¼- —
10,000 lbs.....lb. .11¼- —
smaller lots.....lb. .12¾- —
Palm oil,[8] white, dist., dms..lb. No stocks
Para-aminobenzoic, cns.....lb. 1.40 - —
Paranitrobenzoic, cns.....lb. .72 - —
Paratoluidinmetasulphonic, bbls., works..lb. .80 - —
Peanut oil,[1] s.d., tanks, works, lb. .11¼- —
Phenylacetic, bots.....lb. 1.65 - 1.95
Phosphoric, food grade, 50%, bbls., c.l., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., c.l., works, frt. equald..100 lbs. 4.35 - 4.60
l.c.l., works, frt. alld., 100 lbs. 5.25 - 7.25
tankwagon, dlvd. N. Y., Phila. Met. area..100 lbs. 4.00 - —
75%, bbls., c.l., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., c.l., works, frt. equald..100 lbs. 5.10 - 5.35
l.c.l., frt. alld....100 lbs. 7.00 - 9.50
tanks, works, frt. equald., 100 lbs. 4.00 - 4.25
tankwagon, dlvd. N. Y., Phila. Met. area..100 lbs. 4.75 - —
USP, 100-lb. cbys., c.l.....lb. .10½- —
10 cbys. to c.l.....lb. .11½- —
2 to 9 cbys.....lb. .12 - —
single cbys.....lb. .13 - —
70-lb. cbys.....lb. .10½- —
25 cbys. to c.l.....lb. .11½- —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
dilut., 10%, cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .95 - .70
Picric, bbls.....lb. .35 - —
Propionic,[1] synth., pure, dms., works..lb. .19½- —
tanks, works.....lb. .18½- —
Pyrogallic, tech., bbls.....lb. 1.45 - 2.05
USP, cryst., dms.....lb. 2.10 - 2.15
resub., dms.....lb. 2.60 - 2.65
Pyroligneous, dms., dlvd. E., gal. .30 - —
Ricinoleic, com'l split (see Acid, castor oil, split).
Salicylic,[1] tech., bbls., c.l....lb. .26 - —
100 lbs. to c.l.....lb. .33 - —
smaller lots.....lb. .34 - .42
USP, bbls., c.l.....lb. .28 - —
100 lbs. to c.l.....lb. .35 - —
smaller lots.....lb. .36 - .44
Sebacic, tech., dms., c.l., works. lb. .50 - —
l.c.l., works.....lb. .51 - .52
Soybean oil,[1] s.d., dms., works. lb. .11¾- .16½
tanks, works.....lb. .11 - .15¾
Stearic,[1] double pressed, bgs., c.l., dlvd. E. Rockies..lb. .15⅞- —
W. of Rockies.....lb. .16⅜- —
Texas and Okla., dlvd., lb. .16⅜- —
single pressed, bgs., c.l., dlvd. E. of Rockies..lb. .15⅜- —
W. of Rockies.....lb. .16⅜- —
Texas and Okla., dlvd., lb. .15⅞- —
triple pressed, bgs., c.l., dlvd. E. of Rockies..lb. .18⅜- —
W. of Rockies.....lb. .19⅜- —
Texas and Okla., dlvd., lb. .19½- —
Stearic acid l.c.l. prices are:—Ton lots, ½c. per lb. higher; less than ton lots, 1c. higher.
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works..lb. 1.60 - 1.65
tech., dms., works.....lb. .17 - —
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l. .....100 lbs. 1.50 - 2.20
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works.... 100 lbs. 1.50 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —

Acid, sulphuric, CP, USP, consumers cbys. extra..lb. 08 - —
9-lb. bots., ca. extra..lb. 10 - —
dealers, cbys. extra....lb. .08½- —
9-lb. bots., ca. extra..lb. .08½- —
fuming, 20%, tanks, E. works, ton.19.50 - —
Tannic, tech., bbls., dms....lb. .71 - .73
USP, fluffy, bbls., 1,000 lbs.. lb. 1.33 - —
smaller lots.....lb. 1.35 - 1.38
powder, bbls., 1,000 lbs..lb. 1.13 - —
smaller lots.....lb. 1.15 - —
Tartaric,[1] USP, cryst., gran., powd., bbls., 10,000 lbs., 1 ship't..lb. .62½- —
smaller lots.....lb. .63 - —
kgs. .....lb. .63½- —
Thioglycolic, bbls., cbys., basis 100%..lb. 2.00 - 3.00
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic,[1] CP, 100-lb. pkgs....lb. 2.94 - 3.10
pure, 100-lb. kgs.....lb. 2.86 - —
Aconite leaves, bls.....lb. 1.10 - 1.40
Root, bls.....lb. 1.30 - 1.35
Aconitine, amorph., bots.....oz.23.00 -28.00
15-gr. vials.....vial. 1.00 - —
cryst., bots.....oz.42.00 -48.00
15-gr. vials.....vial. 1.60 - —
Acrylonitrile, dms., c.l., works, lb. .26 - —
l.c.l., works.....lb. .25½- —
tanks, rorks.....lb. .25 - —
Adeps lanae,[1] USP, anhyd., cosmetic, dms., works..lb. .33 - .34
pharmaceutical, dms., works, lb. .32 - .33
Agar .....lb. 3.50 - —
San Diego, Cal.....lb. 3.00 - —
Agaric, white, bls.....lb. 2.85 - 2.90
Albumen, blood, dark (see Blood, soluble).
light, dms., Chicago.....lb. .65 - .70
egg, edible,[1,7] powd., bbls....lb. 1.90 - 2.07
granular, cryst., bbls.....lb. 1.94 - 2.02
tech., cryst., bbls.....lb. 1.20 - 1.25
Alcohol, allyl, dms., c.l., dlvd.lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tankcars, dlvd.....lb. .20 - —
Amyl ex pentane, dms., c.l., frt. alld. E. of Miss. R. lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —
(see also Fusel oil, ref.).
Benzyl, cns.....lb. .70 - .75
dms. .....lb. .85 - —
Butyl, normal,[1] ferment., Ill., Ind. prod., dms., c.l., frt. alld..lb. .2180- —
l.c.l., frt. alld. E....lb. .2230- —
tanks, frt. alld. E....lb. .2080- —
tankwagons, frt. alld.lb. .2130- —
other production, dms., c.l., frt. alld. E..lb. .1950- —
l.c.l., frt. alld. E....lb. .2000- —
tanks, frt. alld. E....lb. .1850- —
synthetic, dms., c.l., frt. alld. E..lb. .11¾- —
l.c.l., frt. alld. E....lb. .12¼- —
tanks, frt. alld. E.....lb. .10¾- —
Normal butyl alcohol prices in West, ½c per lb. higher.
secondary, dms., c.l., dlvd.lb. .095 - —
l.c.l., dlvd.....lb. .10 - —
tanks, dlvd.....lb. .093½- —
tertiary, denat., dms., c.l..lb. .12¼- —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11 - —
Capryl, dms., c.l., works...lb. .17½- —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs. 1.75 - 1.80
smaller lots.....lb. 1.95 - 2.20
Cinnamic, bots.....lb. 3.00 - 3.25
Denatured,[1,7] CD14, dms., c.l., works, E..gal. .613 - —
l.c.l., works, E.....gal. .633 - .693
tanks, E. dlvd.....gal. .542 - —
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., E. works..gal. .612 - —
l.c.l., works, E.....gal. .632 - .692
tanks, E. works.....gal. .542 - —
Anhydrous 5c. per gal. higher.
SD2B, dms., c.l., wks., E.gal. .60½- —
l.c.l., works, E.....gal. .63½- .65½
tanks, E. works.....gal. .53½- —
SD23G, dms., c.l., works, E.gal. .652 - —
l.c.l., works.....gal. .672 - —
tanks, works.....gal. .582 - —
SD23H, dms., c.l.....gal. .61 - —
l.c.l., works, E.....gal. .63 - .65½
tanks, E. works.....gal. .54 - —
SD29, denatured, with acetaldehyde, dms., c.l., E. works. gal. .62 - —
l.c.l., works, E.....gal. .64½- .65½
tanks, E. works.....gal. .55 - —
When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those for SD21 plus 1½c. per gal. denaturing charge.
Special solvent, dms., c.l., works, E..gal. .63 - —
l.c.l., works, E.....gal. .65 - .68
tanks, E. works.....gal. .56 - —
Tankcar sales require written authorization by Alcohol Tax Unit.

Controls on Materials

Applications of WPB, OPA and WFA regulations to materials listed in this section are indicated by superior figures as follows:—

[1]—Specific price ceiling

[2]—Price agreement (sellers with OPA)

[3]—General Limitation Order

[4]—General Preference Order

[5]—Conservation Order

[6]—Allocation

[7]—War Food Order

Alcohol, diacetone, acetone-free, dms., c.l., divd..lb. .11¼- .14½
l.c.l., divd..lb. .13 - .15
tanks, divd..lb. .10½- .13½
tech., dms., c.l., divd..lb. .11 - .13½
l.c.l., divd..lb. .11½- .14
tanks, divd..lb. .10 - .12½
Ethyl, 189 pf., dms., c.l., wks.
gal.17.72½- —
l.c.l., works..gal.17.70 -17.79
tanks..gal.17.62½- —
absolute, dms., c.l., works..gal.18.07½- —
l.c.l., works..gal.18.71 -18.74
tanks..gal.18.60½- —
Ethylhexyl, dms., c.l., works..lb. .34 - —
l.c.l., works..lb. .36 - —
tanks, works..lb. .32 - —
Furfuryl, tech., cms., works..lb. .36 - —
dms., c.l., works..lb. .31½- —
l.c.l., works..lb. .34 - —
tanks, works..lb. .29 - —
Isoamyl (see Carbinol, isobutyl).
Isobutyl, refd., dms., works..lb. .0630- —
tanks, works..lb. .0760- —
Isopropyl, refd., 91%, dms., incl., c.l., divd..gal. .39 - —
l.c.l., divd..gal. .41 - —
tanks, divd..gal. .31½- —
99%, dms., incl., c.l., divd..
gal. .41½- —
l.c.l., divd..gal. .44½- —
tanks, divd..gal. .35 - —
Methyl (see Methanol).
Methylamyl (see Carbinol, methylisobutyl)
Octyl (see Alcohol, ethylhexyl).
Phenylethyl, dms..lb. 2.30 - 2.75
Polyvinyl, type A, fiber-pack, Niagara Falls..lb. .65 - .70
type B, fiber-pack, same basis, lb. .60 - .65
Propyl, normal, dms., works, gal. .67 - —
smaller containers, works, gal. .72 - —
tanks, works..gal. .60 - —
Tetrahydrofurfuryl, cms., Cedar Rapids, Ia..lb. .35 - —
dms., c.l., Waverly, N. Y...lb. .40 - —
l.c.l., same basis..lb. .50 - —
Aldol, dms., works..lb. .13 - .15
denaturing grade, dms..gal. 1.30 - —
Aletris root, bgs..lb. 2.75 - 3.00
Algarobilla,[1] c.l., ex dock, long ton.80.00 -83.50
Algarobilla price based on ocean $12 and $1 insurance per long ton.
Algin, bbls., fib. dms..lb. .76 - 1.00
Alizarin (see Red, alizarin).
Alkanet, root, bgs..lb. .85 - .90
Allspice,[1] Mexican, futurus, bgs., lb. .13 - .13½
Allyl bromide, chys., 5,000 lbs., works..lb. .90 - —
smaller lots, works..lb. 1.05 - 1.10
Chloride, dms., c.l., divd..lb. .13½- —
l.c.l., divd..lb. .14 - —
tanks, divd..lb. .13½- —
Aloe, Cape, cs..lb. No stocks
Curacao, bgs..lb. .47 - .48
Socotrine, bgs..lb. .43 - .44
Aloin, bbls., dms., kgs..lb. 4.50 - 4.60
Alphanaphthol, bbls..lb. .33 - —
Alphanaphthylamine, bbls..lb. .33 - —
Alphapicoline, ref. dms., works, frt. equald..lb. .33½- .36½
Alphapinene, dms., c.l., wks..gal. .30½- —
l.c.l., works..gal. .31½- —
tanks, works..gal. .28½- —
Alphaterpineol, dms., c.l., works, lb. .1340- —
l.c.l., works..lb. .1390- —
tanks, works..lb. .1300- —
Alphatocopherol, amp..gram. 1.00 - 1.10
Althea root, NF, peeled, bls...lb. .55 - .60
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works..100 lbs. 4.00 - —
divd., N. Y., Phil..100 lbs. 4.00 - —
lump, bbls., works..100 lbs. 4.25 - —
divd., N. Y., Phil..100 lbs. 4.25 - —
powd., bbls., works..100 lbs. 4.40 - —
divd., N. Y., Phil..100 lbs. 4.40 - —
Potash, gran., bbls., works, 100 lbs. 4.25 - —
divd., N. Y., Phil..100 lbs. 4.75 - —
lump, bbls., works..100 lbs. 4.50 - —
divd., N. Y., Phil..100 lbs. 4.50 - —
powd., bbls., works..100 lbs. 4.65 - —
divd., N. Y., Phil..100 lbs. 4.65 - —
Potash-chrome, bbls..lb. 12½- .15
Soda, bbls., c.l., works..100 lbs. 4.25 - —
l.c.l., divd..100 lbs. 4.25 - 5.00
Alumina, classified, grade, ground, kgs., works..lb. .25 - .27
top grade, ground, kgs., works, lb. .26 - .27
unclassified, ground, kgs., works..lb. .16½- .46
Acetate, basic solution, 24%, bbls., divd..lb. 10½- .11
20%, bbls., divd..lb. .09½- .10
Chloride, anhyd., com'l, dms., c.l., works..lb. .08 - .11
l.c.l., works..lb. .09 - .12
cryst., com'l, dms., c.l., works, lb. .09 - —
l.c.l., works..lb. .09½- .09¾
solution, 32 deg., cryst., c.l., works..lb. .02¾- —
l.c.l., works..lb. .06½- —
Fluoride, tech., bbls..lb. .25 - —
Formate, solution, 12-20° Be, bbls., c.l., works..lb. .09½- —
l.c.l., works..lb. .10 - —
Hydrate, heavy, bgs., c.l., works, lb. .024 - .031
l.c.l., works..lb. .035 - .040
light, bgs., divd..lb. .14½- —
bbls., divd..lb. .15 - —
Hydroxide, gel, tech., min. 15% Al (OH)₃ dms., 10,000 lbs. or or more, f.o.b. ship't point, lb. .05 - .09¼
ton lots, same basis..lb. .05½- .09¾
smaller lots, same basis, lb. .09¼- .04
conc., 9-9½% Al_2O_3, fib. dms., works..lb. .17½- —
contract, works..lb. .16½- —
14-15% Al_2O_3, fib. dms., wks..lb. .20½- —
contract, works..lb. .19½- —
dried, USP XII, fib. dms., works..lb. .75 - —
contract, works..lb. .75 - —
powder tech (see Alumina hydrate).
USP IX bbls., dms..lb. .15 - .17
Laurate precip., bbls..lb. .32 - .36
Naphthenate, 1.7% Al, 50-gal. dms., works..lb. .19½- —
Oleate, dms., contract..lb. .24½- —
Resinate, precip., dms..lb. .19½- —
Stearate, precip., ctn., c.l...lb. .22 - —
l.c.l..lb. .24 - —
Sulphate, com'l, bgs., c.l., works, frt equald..100 lbs. 1.15 - 1.20
l.c.l., works, frt. equald...
100 lbs. 1.40 - 1.50
bbls., c.l., works, frt. equald.
100 lbs. 1.35 - 1.40
l.c.l., works, frt. equald.
100 lbs. 1.60 - 1.70
iron-free, bgs., c.l., works, 100 lbs. 1.75 - —
l.c.l. works..100 lbs. 2.00 - —
Trihydrate, heavy (see Alumina hydrate).

Aluminum, 98-99%, c.l.....lb. .15 - —
l.c.l.....lb. .15 - .16
Paste, lining, extra fine, 200-lb. dms..lb. .56 - .60
ink, 150-lb. dms.....lb. .71 - —
standard, 200-lb. dms.....lb. .56 - —
Powder, lining, extra fine, 100-lb. dms..lb. .62 - —
litho, 150-lb. dms.....lb. .57 - —
standard, 200-lb. dms..lb. .52 - —
rubber comp., 200-lb. dms..lb. .49 - —
unpolished, stand., dms...lb. .56 - —
varnish, stand., 300-lb. dms..
lb. .49 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 2c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 500 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 300 lbs. or over.

Ambergris, gray, uns.....oz. 6.75 -12.00
Aminoethylpropanol, cas., dms., works..lb. .32 - .33
Aminopyrine, bots., dms.....lb. 4.00 - 4.40
Ammonia acetate, reagent, crystals, bbls..lb. .34 - —
purified, bbls.....lb. .32 - —
Anhydrous, fertilizer, tankcars, works, frt. equald..ton.59.00 - —
pure, cyls.....lb. .14½- —
refrigeration, tanks, works..
ton.61.00 - —
Aqua, 26°, cbys.....lb. .06½- —
dms., c.l.....lb. .03½- —
l.c.l.....lb. .03½- —
tanks, works (NH₃ content).
ton.65.00 - —
Benzoate, USP, dms., kgs., 4,000 lbs., up, f.t. alld..lb. .42 - —
smaller lots, frt. alld..lb. .44 - .47
Biborate, gran., bbls., N. Y. or Chi..lb. .1316- —
Bicarbonate, dms., c.l.....lb. .0624- —
Bichromate, bbls.....lb. .22 - .23
Bifluoride, bbls.....lb. .15 - .15½
Borate, gran., bbls., kgs.....lb. .1050- —
powd., bbls., kgs.....lb. .1130- —
Bromide, NF, bbls.....lb. .28 - —
dms.....lb. .29 - —
Carbonate, USP, lump, dms..lb. .03½- .03½
cns.....lb. .14½- .17½
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms., kgs..
lb. .13 - .13
Citrate, dibasic, bbls.....lb. .75 - —
dms.....lb. .68 - .68
Fluoride,[6] bbls.....lb. No stocks
Hydroxide (see Ammonia, aqua).
Hypophosphite, NF, dms.....lb. 1.25 - 1.27
jars.....lb. 1.30 - 1.35
Iodide, NF, bots.....lb. 2.71 - —
jars.....lb. 3.05 - —
Linoleate, 80%, anhyd., bbls.lb. .12 - —
Molybdate,[6] c.p., cryst., kgs.lb. 1.26 - 1.30
fine cryst., bbls., kgs.....lb. .94 - .97
purified, dms.....lb. 1.10 - 1.13
Nitrate,[1] fertilizer grade, Canadian, 32.5% nitrogen, bgs., same N unit price, delivered, as Ammonia sulphate, bgs., c.l., shipping point.....ton.50.00 - —
bulk, same basis.....ton.46.00 - —
tech., bgs., works.....100 lbs. 4.35 - 4.60
bbls., works.....100 lbs. 4.55 - —
Nitrate - limestone, 20.5% N, bgs., Hopewell, Va..ton.23.50 - —
Oleate, dms.....lb. .14 - —
Oxalate, fine gran. bbls.....lb. .22 - —
dms.....lb. .25 - .29
Perchlorate, kgs.....lb. No stocks
Persulphate, kgs.....lb. .25½- .26¼
Phosphate, dibasic, NF V, bbls., kgs..lb. .27 - .30
tech., bgs., c.l., works..lb. .07 - —
l.c.l., works..lb. .07½- —
monobasic, pure, bbls.....lb. .39 - .41
tech., bgs., c.l., works....lb. .07 - —
l.c.l., works.....lb. .07½- .08¼
Salicylate, NF, dms., kgs.....lb. 1.15 - 1.16
Silicofluoride, bbls.....lb. .15 - .16
Stearate, anhydrous, dms.....lb. .34 - —
paste, dms.....lb. .06½- —
Sulphamate, bbls., works.....lb. .18 - .21
Sulphate,[1] bulk, inland producing areas..ton.20.20 - —
Atlantic coast ports.....ton.20.20 - —
Sulphide, liquid, 40-45% basis 100%, dms., c.l., works..lb. .09 - —
l.c.l., divd.....lb. .16 - —
tanks, divd.....lb. .07½- —
red, 45% cbys, works.....lb. .08 - —
dms., works.....lb. .04 - —
yellow, 33%, cbys., works..lb. .05 - —
dms., works.....lb. .09 - —
Sulphocyanide, CP, bbls.....lb. .55 - —
jars.....lb. .97 - —
c.l., bbls.....lb. .17 - .19
Thiocyanate (see Ammonia sulphocyanide).
Thioglycollate, highly purified, 100% basis, bbls..lb. 7.10 - 8.25
Ammoniac gum (see Gum, ammoniac)
Sal, gray, bbls., c.l., works.....
100 lbs. 5.50 - 5.75
l.c.l., works.....100 lbs. 6.00 - 6.70
white, gran., bbls., c.l., works, 100 lbs. 4.45 - —
l.c.l., same basis.100 lbs. 5.15 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., divd..lb. .17 - —
l.c.l., divd.....lb. .17½- —
tanks, divd.....lb. .16 - —
ex-pentane, drms, c.l., frt. alld. E. of Miss. R..lb. .13½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Alcohol (see Alcohol, amyl).
Butyrate, dms.....lb. .90 - 1.00
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
tanks, works.....lb. .06 - —
Ether, dms., c.l., works.....lb. .095 - —
l.c.l., works.....lb. .100 - —
tanks, works.....lb. .085 - —
Nitrite, USP, bots.....lb. 1.72 - 1.80
Mercaptan, dms., works.....lb. 1.10 - —
Salicylate, bots.....lb. .68 - .85
Stearate, dms., works.....lb. .43 - —
Anethol, com'l, dms., works..lb. .057 - .062
NF, dms.....lb. 2.30 - 2.50
Angelica dom. atropurpurea root, bls..lb. 1.30 - 1.40
imported, natural, bls.....lb. 2.50 - 2.60
Angostura bark, bls.....lb. .21 - .23
Anilin oil, dms., c.l., works, frt. alld..lb. .11½- —
l.c.l., works, frt. alld.....lb. .12½- —
tanks, works, frt. alld.....lb. .10½- —
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. No stocks
Chinese.....lb. .28 - .29
Cyprus, bgs.....lb. No stocks
Mexican, bgs.....lb. .24 Nom.
Syrian, bgs.....lb. No stocks
Turkish, bgs.....lb. No stocks
Anisic aldehyde, dms.....lb. 2.75 - —
cns., bots.....lb. 2.90 - 3.25
Annatto, paste, bxs.....lb. .24 - .29
Seed, bgs.....lb. .13½- .13¾
Anthracene, 80-85%, bbls., works, lb. .85 - —
90%, bbls., works.....lb. .65 - —

Anthraquinone, 95.5%, bbls....lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal,[1,4] bulk, c.l., works...lb. .14½- .17½
Needle,[1,6] Bolivian, brown, 67%, cs..lb. .14½ Nom.
Chinese, black, 70%, cs.....lb. .20 - .22
Oxide,[1,6] ceramic grade, bgs., c.l...lb. .16 - —
l.c.l.....lb. .17 - —
paint grade, bgs., c.l.....lb. .16½- —
l.c.l.....lb. .16¾- —
Salt,[1,6] 65%, bgs., c.l., divd. E. of Miss. River..lb. No stocks
Sulphide,[1,6] 65-70%, bbls., c.l., works..lb. .17 - —
l.c.l., works.....lb. .17½- —
Antipyrine, bbls., kgs., ton....lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz. 23.20 -23.70
Apple syrup,[1] bbls.....lb. .14 - .16
Ardeli extract, bbls.....lb. No stocks
Areca nuts, powd., bbls.....lb. .17 - .18
Arecoline hydrobromide, bots..oz. 6.10 - 7.10
Argols,[7] min. 70% bgs., shipment port, 100 kilos (100% purity).65.00 - 67.50
Arnica flowers, bls.....lb. 2.25 - 2.50
Arrowroot, powd., bgs., bbls..lb. .10½- .11
Arsenic, chloride (arsenous), bots, lb. 1.55 - —
Metal, lump, c.l.....lb. No prices
Sulphide, yellow, bbls.....lb. No stocks
Trioxide (see Acid, arsenous, and Arsenic, white).
White, powd., kgs., c.l.....lb. .04 - —
l.c.l.....lb. .04½- —
Asafetida, cs.....lb. .58 - .60
powd., bbls., dms.....lb. .75 - .80
Asbestine (see Talc, N. Y., fibrous).
Asbestos, fiber[1] SD and SK bgs., c.l. (20 tons), Cane. mines, ton.42.00 - —
SR, bgs., c.l. (20 tons), same basis..ton.44.00 - —
6D, bgs., c.l. (20 tons), same basis..ton.32.00 - —
7D, bgs., c.l., same basis.ton.26.50 - —
7F, bgs., c.l., same basis.ton.24.50 - —
7H, bgs., c.l., same basis.ton.22.50 - —
7K, bgs., c.l., same basis.ton.19.00 - —
7M, bgs., c.l., same basis.ton.16.50 - —
7R, bgs., c.l., same basis.ton.15.50 - —
Asphaltum, Barbados, Dunellon, N. J..lb. .16½- —
California, dms., c.l.....ton.36.40 - —
l.c.l.....ton.41.40 - —
Cuba, A, bulk, c.l.....ton.60.00 - —
l.c.l.....ton.90.00 - —
B, bulk, c.l.....ton.36.50 - —
l.c.l.....ton.55.00 - —
Egyptian.....ton. No stocks
Gilsonite,[1] brilliant black, selects, 240° F. fusing point, bgs., mines..ton.30.00 -32.00
270-295° fusing point, bgs., mines..ton.20.50 - —
seconds, 300-320° F. fusing point, not uniform, bgs., mines..ton.25.50 - —
jet, bgs., ton lots, gross weight, Colo. mines..ton.30.50 - —
Manjak, No. 10, crude, dms., works..lb. .06½- .12
process form, bgs., works..lb. .05½- .10
jet, bgs., 2,000 lbs., gross weight, Colo. mines..ton.30.50 - —
Mexican, refd., dms., f.o.b. Tampico, Mex. metric ton.27.50 - —
South American, refd., dms., c.l., N. J. refy..ton.22.00 -23.00
l.c.l., same basis.....ton.24.00 -25.00
tanks, same basis.....ton.15.00 - —
Atropine, bots.....oz. 9.85 - —
Sulphate, bots.....oz. 7.35 - —

B

Balm of Gilead buds, bgs.....lb. 1.90 - 2.00
Barbasco root,[1] (see Cube root).
Barberry root bark, bgs.....lb. .78 - .80
Barbital, dms.....lb. 3.50 - 3.60
Sodium, dms.....lb. 3.75 - 3.85
Barium carbonate, natural, 90% through 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l., works..ton.60.00 -70.00
l.c.l., works.....ton.65.00 -75.00
bbls., c.l., works.....ton.65.00 -75.00
l.c.l., works.....ton.70.00 -80.00
Chlorate, kgs., works.....ton. .27½- .31
Chloride, CP, cryst., bbls.....lb. .28 - .37
pure, bbls., kgs.....lb. .10 - .12
tech., cryst., bgs., c.l., works, ton.73.00 - —
l.c.l., works.....ton.78.00 - —
bbls., c.l., works.....ton.75.00 - —
l.c.l., works.....ton.80.00 - —
Dioxide, dms., c.l., works....lb. .10 - —
l.c.l., works.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.
Hydrate, crystals, bbls.....lb. .06½- .07½
Hydroxide, bbls., works.....lb. .15 - .18
Iodide, bots.....lb. 4.62 - 4.82
Monoxide (see Oxide).
Nitrate, bbls., c.l., works...lb. .09½- .11¼
l.c.l., works.....lb. .10 - .11¼
Oxide, dms., c.l., works.....lb. .11½- .13
l.c.l., works.....lb. .14 - .15
grd., dms., l.c.l., works....lb. .15 - .17
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .17 - .19
Stearate, ctns., 1 ton up.....lb. .31 - —
smaller lots.....lb. .32 - —
Sulphate, tech. (see Barytes, and Blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs.....lb. .12 - —
Barytes,[1] floated, bbls., c.l., St. Louis..ton.27.65 - —
l.c.l., same basis.....ton.26.65 - —
ex whse., N. Y.....ton.26.00 - —
paper bags, c.l., St. Louis.ton.25.35 - —
l.c.l., same basis.....ton.26.35 - —
ex whse., N. Y.....ton.34.00 - —
Southern, off-color, bgs., mines, ton.17.50 - —
95.75%, bgs., mines.....ton.18.00 - —
Ore, approx. 94% $BaSO_4$, bulk, mines..ton. 6.50 - —
Bauxite bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Barberry bark, bgs.....lb. .12 - .13
Belladonna leaves, bls.....lb. 1.25 - 1.30
Root, bls.....lb. 1.35 - 1.40
Bentonite, 200 mesh, bgs., works, ton.11.00 - —
325 mesh, bgs., works....ton.16.00 - —
Benzaldehyde, NF, dms.....lb. .70 - 1.10
tech., cbys., dms.....lb. .45 - .55
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzocaine, cns.....lb. 3.20 - 3.55
Benzol (benzene), pure, nitration and 90%, dms., works, gal. .20 - —
tanks, E. of Omaha, frt. alld..gal. .15 - —
W. Coast, Minnequa, Colo..gal. .15 - —
Benzophenone, dms.....lb. 1.15 - 1.20
Benzoyl chloride, cbys.....lb. .20½- .26
Peroxide, pure, gran., fib ctns, works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns....lb. .60 - .75
dms.....lb. .49½- .55
Alcohol (see Alcohol, benzyl)
Benzoate, f.f.c., dms.....lb. 1.05 - 1.15

Benzyl chloride, tech., cbys., works, frt. equald..lb. .20 - —
refined, cbys.....lb. .21 - —
Cinnamate, cns.....lb. 4.00 - 4.25
Formate, cns.....lb. 2.70 - 2.85
Propionate, bots.....lb. 1.55 - 2.05
Salicylate, bots.....lb. 1.80 - 1.85
Benzylidineacetone, bots.....lb. 2.25 - 2.70
Benzylisoeugenol, bots.....lb. 9.50 - —
Berberine bisulphate, cns.....lb. No stocks
Hydrochloride, bots.....lb. No stocks
Sulphate, cns.....lb. No stocks
Berberis root, bls.....lb. .20 - .25
Betanaphthol, resublimed, dms., works..lb. .55 - .60
tech., bbls., c.l., works....lb. .21 - —
l.c.l., works.....lb. .23 - —
Benzoate, fib. dms., works..lb. 1.75 - —
Salicylate, dms.....lb. 2.00 - —
Betanaphthylamine, tech., works, lb. .51 - —
Betapicoline, 90%, ref. dms., c.l., works..lb. 1.00 - —
l.c.l., works.....lb. 1.05 - —
98%, dms., works.....lb. 2.05 - —
98-99%, works.....lb. 2.10 - —
Betagammapicoline, dms., c.l., works..lb. .23½- —
l.c.l., works.....lb. .24½- —
Beth root, bls.....lb. .45 - .50
Bismuth chloride, bots.....lb. 2.00 - —
jars.....lb. 2.05 - —
Citrate, USP VIII, bots.....lb. 2.81 - 2.90
jars.....lb. 2.76 - —
Hydroxide, bots.....lb. 2.41 - 2.45
cns.....lb. 2.25 - —
Metal, ton lots.....lb. 1.32 - —
Nitrate, cryst., bots.....lb. 1.41 - 1.49
cns.....lb. 1.60 - —
Oxychloride, bots.....lb. 2.14 - 2.20
cns., dms., kgs.....lb. 2.10 - —
Subbenzoate, bots.....lb. 2.81 - —
fib. dms.....lb. 2.40 - —
Subcarbonate, USP, bbls., dms., lb. 1.80 - 1.85
bots., cns.....lb. 1.85 - 1.90
X-ray, 5-lb. bots.....lb. 2.70 - —
fib. dms.....lb. 2.75 - —
Subgallate, NF, bots., cns...lb. 1.40 - 1.55
fib. dms.....lb. 1.40 - 1.45
Subiodide, bots.....lb. 4.19 - 4.35
fib. dms.....lb. 4.13 - —
Subnitrate, USP, powd., bbls., dms..lb. 1.20 - 1.25
bots.....lb. 1.20 - 1.25
Subsalicylate, USP, bbls., fib. dms..lb. 2.50 - —
5-lb cans.....lb. 2.54 - 2.60
Subphosphate, bots.....lb. 2.71 - 2.74
fib. dms.....lb. 2.65 - —
Bismuth-ammonia citrate, USP, powd., dms...lb. 2.40 - —
cns.....lb. 2.45 - 2.50
Black, acetylene, bgs., c.l., works..lb. .14 - —
l.c.l., works.....lb. .16 - —
Bone 1A, bgs., bbls., c.l., frt. alld. E..lb. .17 - —
2, bgs, bbls., c.l., same basis, lb. .12 - —
3, bgs, bbls., c.l., same basis, lb. .11 - —
4, bgs., bbls., c.l., same basis, lb. .09½- —
400A, bgs., bbls., c.l., same basis..lb. .09½- —
457, bgs., bbls., c.l., same basis..lb. 11½- —
Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, or whse., prices are 1½c. higher.
Carbon, channel, compressed, beads, bulk, c.l., works..lb. .05 - —
bgs., c.l., works.....lb. .055 - —
l.c.l., works.....lb. .06 - —
divd. or whse.....lb. .062 - —
uncompressed, regular, bgs., c.l., works..lb. .03625- —
bgs., ctns., l.c.l., divd. or whse..lb. .037 - —
Furnace, HMF, bgs., c.l., works..lb. .05 - —
ctns., l.c.l., whse.....lb. .07½- —
SRF, bgs., c.l., works....lb. .03½- —
ctns., l.c.l., whse.....lb. .05 - —
Thermatomic, bgs., c.l., works, La..lb. .04 - —
l.c.l., whse. Trenton, N. J. lb. 06½- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .08½- —
Lamp, 1, ctns., c.l., works..lb. .08½- —
l.c.l., works.....lb. .09 - —
2, ctns., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .11 - —
2A, ctns., c.l., works.....lb. .12 - —
l.c.l., works.....lb. .13½- —
3, ctns., c.l., works.....lb. .14½- —
l.c.l., works.....lb. .15½- —
4, ctns., c.l., works.....lb. .16½- —
l.c.l., works.....lb. .17½- —
5, ctns., c.l., works.....lb. .20 - —
l.c.l., works.....lb. .26 - —
6, ctns., c.l., works.....lb. .20½- —
l.c.l., works.....lb. .27½- —
7, ctns., c.l., works.....lb. .27½- —
l.c.l., works.....lb. .36½- —
Mineral, vine type, bbls., l.c.l., works..lb. .04½- —
Vine A, bbls.....lb. .04½- .05
B, bbls.....lb. .05¾- —
kegs.....lb. .06 - —
Black dyes (see Dyes).
Black haw root bark, bls.....lb. .84 - .85
Tree bark, bls.....lb. .40 - .42
Black Indian hemp root, bls..lb. .55 - .60
Blanc fixe, dry, by-product, bgs., c.l., works..ton.60.00 - —
l.c.l., works.....ton.67.00 - —
direct process, bgs., c.l., works..ton.70.00 - —
bbls., c.l., works.....ton.75.00 - —
l.c.l., works.....ton.80.00 - —
pulp, 60%, bbls., c.l., works, ton.40.00 - —
l.c.l., same basis....ton.46.50 - —
Bleaching powder,[2] dms., c.l., works..100 lbs. 2.50 - 3.10
l.c.l., works.....100 lbs. 2.75 - 3.60
Blood,[1,7] dried, 16-16½% ammon., bgs..unit-ton. 5.00 - —
high-grade, unground, 16-17% ammon., bulk, Chicago, unit-ton. 5.00 - —
soluble, bgs., c.l., Chicago...lb. .13 - —
l.c.l., Chicago.....lb. .15 - .20
Bloodroot, bls.....lb. .60 - .65
Blue,[1] alkali, dry, bbls., divd. N. of Tenn. and N.C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. 1.75 - —
Toner, bbls., same basis....lb. .85 - .90
Celestial, bbls., same basis...lb. .10 - .12
Chinese, bbls., same basis..lb. .32 - —
Cobalt, genuine, bbls., same basis..lb. 4.00 - —
Imitation (see Blue, ultramarine).
Copper phthalocyanin, full strength, bbls., same basis, lb. 2.50 - 2.75
80%, bbls., same basis...lb. 2.00 - —
green shade, bbls., same basis, lb. 4.80 - 4.90

INDUSTRIAL

and Fine Chemicals

BROMINE & BROMIDES
CAUSTIC SODA
CELLOSOLVE
CETYL ALCOHOL
CITRIC ACID
CREAM OF TARTAR
CRESOL
CRESYLIC ACID
ETHYLENE GLYCOL
HEXYLRESORCINOL
LANOLIN
MAGNESIUM CARBONATE
MYRISTYL ALCOHOL
NAPHTHALENE
NEUTRAL OIL
PHENOL
PYRIDINE
ROCHELLE SALTS
SODA ASH
SODIUM BENZOATE
SODIUM CITRATE
SODIUM PERBORATE
TALL OIL
TAR ACID OIL
TARTARIC ACID
TRIETHANOLAMINE
TRISODIUM PHOSPHATE
YELLOW PRUSSIATE SODA

WILLIAM D. NEUBERG COMPANY
Chemicals
GRAYBAR BUILDING • 420 LEXINGTON AVE • NEW YORK 17, N. Y.
TELEPHONE LEXINGTON 2-3324
CABLE "WILNEUBERG"

Blue, iron (see Blue, Chinese, Milori, Potash Prussian, and Soda).
Milori, bbls., same basis....lb. .26 - —
Molybdated, Victoria, bbls., same basis..lb. 3.15 - —
Peacock, fugitive, 100% color strength, same basis..lb. .62 - —
permanent toner, green shade, molybdic, bbls., same basis lb. 3.50 - —
tungstic .....lb. 4.00 - —
Potash, CP, bbls., same basis. lb. .42 - —
Prussian, bbls., same basis.lb. .36 - —
soluble, bbls., same basis..lb. .36 - —
soda, CP, bronze, bbls., same basis..lb. .36 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis. lb. .23 - .27
jobbing type, dry, bbls , same basis..lb. .12 - .13
regular types, dry or pulp, bbls., same basis..lb. .17 - .27
Victoria, toner, molybdic, bbls. lb. 3.15 - —
tungstic, bbls.....lb. 3.50 - —
ink toner, bbls., same basis, lb. 1.83 - —
synthetic vehicle, bbls., same basis..lb. 1.93 - —
Violet, toner, molybdic, bbls., same basis..lb. 1.24 - —
Violet, tungstic, kgs., same basis. lb. 2.10 - —
Blue dry colors, divd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1½c.); Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher, Pac. Coast; Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.
Blue dyes are listed under Dyes.
Blue mass, NF, cns., tube....lb. 1.58 - 1.75
powd., bots., cns., dms.....lb. 1.61 - 1.75
Blueflag root, bls.....lb. .60 - .65
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone,[7] raw, bulk, Chicago...ton.57.00 -65.00
junk, bulk, same basis...ton.35.00 - —
Meal, raw, 4½% ammon., 50% phos., bgs., E. works.. ton.37.50 - —
Chicago, works.....ton.39.50 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works..ton.48.50 - —
Chicago, works.....ton.50.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works ton.38.50 - —
Chicago, works.....ton.36.00 - —
Phosphate, defluorinated (see D). Precipitated (see Calcium phosphate tribasic precip.).
Boneset leaves, bls.....lb. .16 - 1
Borage flowers, bls.....lb. .60 - .62
Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.41.50 - —
bgs., c.l., frt. alld....ton.45.00 - —
ton lots, ex whse.....ton.58.00 - —
less ton lots, ex whse.ton.61.00 - —
bbls., c.l., frt. alld.....ton.55.00 - —
ton lots, ex whse....ton.68.00 - —
less ton lots, ex whse.ton.71.00 - —
powd., bgs., c.l., frt. alld. ton.60.00 - —
ton lots, ex whse.....ton.61.00 - —
less ton lots, ex whse.ton.66.00 - —
bbls., c.l., frt. alld.....ton.60.00 - —
ton lots, ex whse.....ton.71.00 - —
less ton lots, ex whse.ton.76.00 - —
USP, $15 per ton higher.
Bordeaux mixt., dms., c.l., whse., works, frt. alld..lb. .11 - —
l.c.l., same basis.....lb .11½- —
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies..lb. .21 - —
1,000 lbs., frt. alld. E. of Rockies..lb. .23 - —
single pkgs., same basis..lb. .28 - —
Brazilwood extract (see Hypernic).
Bromoform, USP, bots.....lb. 1.50 - —
cbys.....lb. 1.42 - —
Bromstyrol .....lb. 5.20 - 6.25
Bronze powder, aluminum (see A).
Gold, litho., cns., dms., works. lb. .60 - .65
moulding, cns., dms., same basis..lb. .50 - 1.65
printing ink, cns., dms., same basis..lb. .85 - 1.25
radiator, cns., dms., same basis..lb. .45 - .80
Broomtop, bls. .....lb. .21 - .24
Brown, iron-oxide, pure, precip., cks., works..lb. .12 - —
Metallic, bbls., c.l., works..lb. .09½- —
Sap, crystals, works.....lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., works..lb. .06½- .09
pap. bgs., c.l., same basis lb .0225 —
Italian type, bbls., works. lb. .09½- .10½
raw, American, bbls., works. lb. .04 - .10
Italian type, bbls., works. lb .08 - .10
Umber, burnt, American, bbls., works..lb. .05½- —
Italian-type, bbls., works.lb. .04½- —
Turkey-type, bbls., c.l., Boston, Bethlehem, Easton, Pa.; N. Y..lb. .04½- —
St. Louis, Chicago, Indianapolis, New Orleans..lb. .05½- —
Minneapolis .....lb. .0585- —
Pittsburgh .....lb. .05 - —
ex car, Los Angeles.. lb. .05½- —
Portland, San Francisco, Seattle..lb. .05½- —
ex whse, Los Angeles. lb. .05½- —
Portland, San Francisco, Seattle..lb. .05½- —
Vandyke, reg., bbls., works..lb. .09 - —
special, bbls., works.....lb. .12 - —
Brucine, cns., 100 ozs.....oz. .35 - —
Sulphate, cns., 100 ozs.....oz. .30 - —
Bryonia root, bls.....lb. .38 - .40
Buchu leaves, bls.....lb. .30 - .35
Buckthorn bark, bls.....lb. .25 - .28
Berries, bgs.....lb. .60 - .70
Burdock root, bls.....lb. .35 - .37
Burgundy pitch, dom., dms...lb. .08 - —
Butane,[1] indust., tanks, Group 3. gal. .03½ -
Butyl acetate, normal,[1] ferment, Ill., Ind., prod., dms., c.l., frt. alld. E. of Miss. R. lb. .2025- —
l.c.l., same basis.....lb. .2065- —
tanks, same basis.....lb. .1935- —
tankwagon, same basis.lb. .1965- —
other production, dms., c.l., same basis..lb. .1900- —
l.c.l., same basis....lb. .1950- —
tanks, same basis.....lb. .1900- —
synthetic, dms., c.l., same basis..lb. .11¼- —
l.c.l., same basis.....lb. .12½- —
tanks, same basis.....lb. .10¾- —
secondary,[1] dms., c.l., divd. E. of Miss. R..lb. .09½- —
l.c.l., same basis.....lb. .10 - —
tanks, same basis.....lb. .08½- —
Normal butyl acetate, W. of Miss. R., ½c per lb. higher.
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Ether (see Ether, butyl).
Lactate, dms., works.....lb. .26½- —
Laurate, dms., works.....lb. .42 - —
Myristate, dms., works.....lb. .41 - —
Oleate, ref., dms., l.c.l., works. lb. .35 - —
tech., dms., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .24½- .25½
Phenylacetate, dms.....lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., divd.....lb. .16½- .17
tanks, divd.....lb. .15½- —
Stearate, dms.....lb. .31½- —
Butyric ether, bots.....gal. 6.50 - 6.75
cns., works.....lb. .65 - .70
dms., works.....lb. .60 - —

C

Cadmium bromide, bots.....lb. 1.84 - 1.91
jars .....lb. 1.65 - 1.70
Iodide, bots.....lb. 4.28 - —
cns. .....lb. 4.00 - —
Lithopone (see Yellow).
Metal,[1,3] ingots or sticks, divd. lb. .90 - —
pat. shapes, cs., divd.....lb. .95 - —
Selenide (see Red).
Sulphide (see Yellow).
Caffeine,[3] dms., 100 lbs. or more. lb. 2.80 - 2.85
smaller lots.....lb. 2.95 - 3.25
anhydrous, dms., 100 lbs. or more..lb. 3.00 - 3.05
smaller lots.....lb. 3.15 - 3.45
Citrated, dms., 100 lbs. or more. lb. 1.95 - —
smaller lots.....lb. 2.05 - 2.30
Hydrobromide, bots .....lb. 5.29 - 5.37
Calabar beans, bgs., futures, lb. .80 - .85
Calamus root, natural, dom., bls. lb. .30 - .35
Calciferol, in corn oil, dms., 10,000 units or more, works, unit. .10 - —
1,000 to 10,000 units, works, unit. .11 - —
less than 1,000 units, works, unit. .12 - —
Calcium acetate, bgs., divd..... 100 lbs. 3.60 - 4.00
Arsenate, bgs., c.l., whse., wks., frt. alld..lb. .07½- .09
l.c.l., same basis .....lb. .08 - .09½
Bromide, N.F., jars.....lb. .65 - .70
Carbide,[3] dms., c.l., works.ton.80.00 - —
divd. .....ton.87.00 -89.00
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars..lb. .28 - .30
flake, 77-80%, paper bgs., c.l., divd..ton.18.50 -35.00
l.c.l., divd.....ton.28.50 -45.00
liquor, basis 40%, tanks, works ton. 7.50 - —
solid, 73-75%, dms., c.l., divd. ton.18.00 -24.50
l.c.l., divd .....ton.28.00 -44.50
Calcium chloride prices vary according to zone; minimum prices are for spot delivery. C.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags; drums, $3.50 per ton over paper bags.
Cyanide, dms., delivered E. of Rockies..lb. .35 - .40
Gluconate, USP, gran., bbls..lb. .53 - —
dms .....lb. .57 - .60
cns .....lb. .70 - —
Powd 2c. per lb. lower.
Glutamate, kgs.....lb. 1.80 - —
Glycerophosphate, fiber dms., 1,000-lb. lots..lb. 1.23 - —
smaller lots.....lb. 1.65 - —

INDUSTRY'S NEW LOW-COST CHEMICAL TOOLS!

SOLVENTS
LUBRICANTS
HUMECTANTS
Dow glycols
COUPLING AGENTS
PLASTICIZERS
HYDRAULIC FLUID COMPONENTS
HEAT-TRANSFER MEDIA

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As just one example, take their use in coating resins and adhesives. The Glycols are very useful plasticizers for phenolic resins. They are employed to plasticize cork adhesives, glues, and other adhesive compositions. As esterification agents for rosin, they yield ester gums with high alcohol tolerances. They are extremely valuable, too, as components of alkyd resins . . . particularly those of the styrene modified type.

This is just one of many fields in which Dow Glycols are in demand today. What possibilities do they offer you? Dow will gladly consult with you regarding your ideas for these economical, useful materials.

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CHEMICALS INDISPENSABLE TO INDUSTRY AND AGRICULTURE

Calcium iodide, bots., jars....lb. 4.04 - 4.19
Lactate, edible, dms.....lb. .21 - —
USP, bbls.....lb. .33 - .37
Laurate, bbls.....lb. .28 - .36
Mandelate, USP, dense, fluffy, dms..lb. 2.00 - 2.30
Naphthenate, 4% Ca, 50-gal. dms..lb. .23½- —
Pantothenate, dex., 100-gram bots..per gram. .10 - —
Phosphate, feeding grade, bgs., works..ton.75.00 - —
food grade, bbls., 10 over works..lb .07 - .07½
less than 10, works.....lb. .08 - .10
medicinal, dibasic, bgs.... 100 lbs.11.40 -13.00
monobasic, cryst., bgs., c.l., works, frt. equald..lb. .05½- —
l.c.l., frt. equald.....lb. .06 - .06½
tribasic, bbls., c.l., works..lb. .0635- —
bgs., l.c.l., works.....lb .0645- .0681
Resinate, precip., 5.2% Ca, 100-lb. dms., lb. .15½- —
Silicate, hydrated, c.l., bgs., works..lb. .06½- —
l.c.l., works.....lb. .08 - —
Stearate, precip., ctns., c.l., works..lb. .25 - —
l.c.l., works.....lb. .26 - .36
Sulphate (see Gypsum).
Sulphide, 70%, bgs., c.l., works. ton.45.00 - —
80%, bgs., c.l., works....ton.50.00 - —
luminous, tins, works.....lb. 1.00 - —
Sulphocarbolate, bbls.....lb. .49 - .50
Tallate, 5%-4% Ca, 50-gal. dms. lb. .18¼- .19¼
Calcium-strontium sulphide, phosphorescent, dms., works..lb. 1.60 - 1.80
fine particle size, works.. lb. 1.80 - 1.75
Calendula flowers, bls.....lb. 2.60 - 2.65
Calomel, bbls., dms.....lb. 2.44 - 2.45
Camphor, natural.....lb No stocks
synth., tech., bbls., contract, 2,000 lbs. or more, works.lb. .42 - —
10 bbls. (1,500 lbs.).....lb. .44½- —
5 to 9 bbls.....lb. .45 - —
1 to 4 bbls.....lb. .46 - —
smaller lots.....lb. .48 - .55
USP, gran., powd., bbls., 2,000-lb. lots..lb. .69 - —
1,000-lb. lots.....lb. .70 - —
smaller lots.....lb. .71 - —
tablets, 2,000-lb. lots.....lb. .82 - —
1,000-lb. lots.....lb. .83 - —
smaller lots.....lb. .84 - —
Camphor, monobromated, dms.lb 3.20 - —
Canada balsam (see Fir balsam)
Cantharides, Russian, bgs.....lb. 9.00 - —
Capsicum (see Pepper, red).
Capsicum oleoresin, USP VII, ens..lb. 4.50 - 4.65
Caramel coloring, bbls.....gal. .70 - 1.10
Caraway seed,[1] California, Dutch type..lb. No stocks
Canadian, bgs.....lb. .40 - .41
Danish, bgs.....lb. .35 - .36
Dutch, bgs.....lb. .37 - .38
futures, bgs.....lb. .30 - .30½
Morocco, dewhiskered, futures. bgs..lb. .44 - .46
natural, bgs., futures.....lb. .38 - .39
Spanish, dewhiskered, bgs...lb. No stocks
Syrian, dewhiskered, bgs....lb. No stocks
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller lots, works..lb. .80 - —
90%, dms., ton lots, works lb .75 - —
smaller lots, works....lb .85 - —
Carbinol, butyl, norm. dms. l.c.l., works..lb. .27 - —
secondary, dms., l.c.l., works lb .60 - —
Isobutyl, dms., c.l., works..lb. .22½- —
l.c.l., works.....lb. .23½- —
tanks, works.....lb. .21¼- —
Methylisobutyl, dms., c.l., nearest delivery point buyer's works..lb. .11¾- —
l.c.l., same basis.....lb. .12¼- —
tanks, same basis.....lb. .10¾- —
Carbon bisulphide, 55-gal. dms., c.l., frt. all. E. of Miss. R., N. of Ohio R..lb. .06 - —
l.c.l., same basis.....lb .06¾- —
6-gal. dms., c.l., same basis lb .07 - .07½
l.c.l., same basis.....lb .08 - .08½
Dioxide, cyls.....lb. .06 - .08
Tetrachloride,[1] c.p., dms., c.l. gal. .96 - —
l.c.l.....gal. 1.01 - —
tech., Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .69 - —
l.c.l., frt. alld.....gal. .76 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .93 - —
l.c.l., frt. alld.....gal. 1.03 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .76 - —
l.c.l., frt. alld.....gal. .83 - —
5 or 10 gal. dms., c.l., frt. alld..gal. 1.00 - —
l.c.l., frt. alld.....gal. 1.10 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. .96 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.13 - —
l.c.l., frt. alld.....gal. 1.23 - —
Zone 4, 52½-gal. dms., c.l. gal. .83 - —
5 or 10-gal. dms., c.l..gal. 1.03 - —
l.c.l.....gal. .90 - —
USP, cbys.....lb. .17 - .19

Carbon tetrachloride prices are frt. alld. with the exception of Zone 4, where prices are f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O, Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans.; 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W. of Billings.

Cardamom,[1] bleached, bold, cs., lb. 1.35 - 1.40
medium, cs.....lb. 1.30 - 1.35
decorticated, Guatemala, cs..lb. 1.10 - 1.12
India, cs.....lb. 1.15 - 1.30
green, Alleppey, bgs.....lb. .90 - .92
Carotene, cryst., 1,250,000 A units per gm., tins, works, 1,000,000 units. .50 - —
research grade (alpha, 10%; beta, 90%), amps, 100 grams, dlvd..gram. 2.85 - —
50 grams, dlvd.....gram. 2.90 - —
in vegetable oil, 250,000 USP units per gm., bots., works. lb.37.50 - —
50,000 USP units per gm., bots., works..lb. 3.43 - —
dms., works.....lb. 7.68 - —
3,500 A units per gm., tins, works, 1,000,000 units. .55 - —
dms., works..1,000,000 units. .50 - —
2,300 USP units per gm., dms., works..lb. .66 - .71

Carvol, bots.....lb.16.00 -20.00
Cascara sagrada bark, bulk...lb. .43 - —
Case-hardening mixture, 30% gran., dms., l.c.l..lb. .09%- —
slabs, dms., l.c.l.....lb. .08%- —
Casein,[1] dom., acid-precip., bgs., 100 or more, ship't point..lb. .24 - —
20 to 99, same basis....lb. .24½- —
less than 20, same basis, lb. .24¾- —
rennet-precip., bgs., 100 or more, same basis..lb. .25½- —
20 to 99, same basis....lb. .25¾- —
less than 20.....lb. .26¼- —
imp., acid-precip., ground, bgs., 100 bgs. or more..lb. .24 - —
rennet-precip., unground, bgs., 100 bgs. or more..lb. .26½- .28½
Cassia,[1] China buds, bgs., futures..lb. .46 - .47
rolls, selected, cs., futures. lb. .46 - .47
extra select, broken, bls., futures..lb. .42½- .43
Cassia fistula, bskts.....lb. .26 - .28
Castor bean,[1,7] bgs., c.i.f. first arrival point, U.S..long ton.118.00 - —
Oil (see Oil, castor).
Pomace,[1] bgs., c.l., works..... unit-ton. 3.15 - 4.75
Castoreum, nat., cns.....lb.12.00 -13.00
synthetic, cns.....lb.21.00 - —
Catechol, CP, cryst., works, lb. dms., frt. alld..lb. 1.90 - —
resublimed, works, frt. alld., dms..lb 2.25 - —
Catnep, bls.....lb. .50 - .55
Celery seed,[1] French, bgs.....lb. 1.00 Nom.
Indian, bgs.....lb. .23½- .24
Celluloid scrap (see Pyroxylin scrap)
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .30 - —
granules, ctns., same basis.lb .32 - —

Cellulose acetate-butyrate, flake, high (36.5%) butyryl content, 50-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld...lb. .47 - —
smaller pkgs. works....lb. .48 - —
medium (15.5 or 17.0%), 50 lb. ctns., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld..lb. .44 - —
100-900 lbs., frt. alld ..lb. .45 - —
smaller pkgs., works....lb. .46 -

Granules are 5c. per lb. higher, all quantities.

Acetate-propionate, flake, high (31.5%) propionyl content), 50-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works...lb. .48 - —

Granules are 5c. per lb. higher, all quantities.

Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .30 - —
Cerium hydrate, dms., works..lb. .60 -
Oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Oxide, optical grade, kgs., 100-lb. lots, works, lb. 1.50 - —
bgs., smaller lots, works..lb 2.00 - —
Chalk, precipitated, cosmetic, dentifrice, and drug, bgs., c.l., works..lb. .02¾-
paint and other industries, bgs., c.l. works..ton.40.00

Chalk, precipitated, papermakers, bgs., c.l., works..ton.32.50 - —
rubbermakers, bgs., c.l., works ton.30.00 - —
Chamomile, Hungarian type, cs. lb. .60 - .65
Roman, bls., futures.....lb. 1.75 - 1.85
Charcoal, hardwood, lump, bulk, c.l., works..ton.35.00 -38.80
bur, bgs., ret., c.l., works. ton.38.00 -46.80
briquets, bulk, c.l., works... ton.44.50 - —
bgs., c.l., works.....ton.49.50 -50.50
granular, all grades, bgs., works..ton.46.30 -53.50
screenings, bgs., works..ton.33.15 - —
Pinewood,[1] lump, bgs., c.l., Southern shipping points. ton.20.00 - —
granular, powd., bgs., c.l., works, South..ton.30.20 - —
l.c.l., works.....ton.41.00 - —
Willow, powd., bbls.....lb. .00 - .07
Chestnut extract, standard 25% tannin, bbls., c.l., works..100 lbs. 2.22 - 2.55
l.c.l., works.....100 lbs. 2.47 - 2.80
tanks, works.....100 lbs. 2.62 - 2.98
powdered, 65% tannin, bags extra, c.l., works.100 lbs. 7.46 - 8.32
l.c.l., works.....100 lbs. 8.21 - 9.07
Chillies (see Pepper, red).
China clay,[1] dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works....ton.16.00 - —
bulk, c.l., works.ton. 7.60 - —
200 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton. 9.50 -10.50
wet-grd., silk-bolt, 99½%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works.ton.12.50 - —

Spot Deliveries

HEAVY CALCINED MAGNESIA White
CITRIC ACID
CALCIUM CITRATE
ROCHELLE SALTS
RED LEAD
CAUSTIC POTASH
SODIUM BICHROMATE
MAGNESIUM METAL POWDER High Purity
COPPER SULPHATE
OXALIC ACID
SODIUM SULPHATE High Purity
ZINC OXIDE American & French Process
LITHARGE
CHROMIC ACID

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China clay, import, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila.. ton. 19.00 -24.00
powd., cks.,l .c.l., ex whse. ton. 41.00 -
Chloral hydrate, jars.....lb. .92 - .94
dms. .....lb. .90 - .96
Chlorinated rubber,[6] standard, ctns., 100 lbs. up, works. lb. .32 - —
smaller lots, works.....lb. .35 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Chlorine, liquid, cyls., c.l.....lb. .05½- —
contracts .....lb. .05¾- —
l.c.l. .....lb. .07¼- —
tanks, single units, works, frt. equald..100 lbs. 1.75 - —
multiple units, 3 or over, works, frt. equald..100 lbs. 2.00 - —
2, wks., frt. equald..100 lbs. 2.50 - —
1 wks., frt. equald..100 lbs. 3.00 - —
Chloroform, tech., dms.....lb. .30 - .32
USP, dms.....lb. .30 - .32
Chloropicrin, com'l, 100-lb. cyl., 100-lb. cyls., same basis...lb. .32 - —
25-lb. cyls., ex whse.....lb. 1.00 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Choline chloride, 5lb. dms.....lb. 3.00 - 3.10
Dihydrogen citrate, 2lb. dms. lb. 3.00 - 3.10
Chrome acetate, powd., 22% Cr., bbls., works..lb. .22 - .24
ton lots, works.....lb. .20 - .22
solut., 8% bbls., cs.....lb. .07½- —
7½%, bbls., cs.....lb. .06½- —
Fluoride, bbls., wks.....lb. .24 - .27
Cake, bulk, c.l., works.....ton. 16.00 - —
Oxide (see Green, chrome oxide).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, bots.....lb. 6.02 - 6.09
Cinchona bark,[6] red, quill, USP, 10 in., cns..lb. 1.20 Nom.
Cinchonidine,[6] small, cryst., cns., 100 ozs..oz. No prices
Sulphate, NF, cns., 100 ozs..oz. No prices
Cinchonine[6] small, cryst., cns., 100 ozs..oz. No prices
large, cryst., cns., 100 ozs..oz. No prices
Sulphate, NF, cns., 100 ozs..oz. No prices
Cinchophen, NF, heavy, dms..lb. 3.70 - 3.80
standard, dms.....lb. 3.80 - 3.90
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cbys., cns., dms...lb. .85 - 1.00
Cinnamon,[1] Ceylon, O, bls., futures..lb. .5790- —
OO, bls., futures.....lb. .5820- —
OOO, bls., futures.....lb. .5900- —
OOOO, bls., futures.....lb. .5990- —
No. 1, bls., futures.....lb. .5625- —
2, bls., futures.....lb. .5635- —
3, bls., futures.....lb. .5535- —
4, bls., futures.....lb. .5335- —
Citral, bots., cns.....lb. 6.50 - 7.50
Citrine, ointment, jars.....lb. .95 - 1.15
Citronellal, bots., dms.....lb. No prices
Citronellol, bots., dms.....lb. No prices
Clove,[1] Madagascar, bls.....lb. .16¾- .17½
futures, bls.....lb. .16 - .16½
Zanzibar, bls.....lb. .17½- .17¾
futures, bls.....lb. .17¼- .17¾
Clover tops, red, dom., bgs....lb. .50 - .53
imported, bgs.....lb. No stocks
Coaltar, coal-gas, crude, 50 gal., bbls., c.l., works..bbl. 8.25 - —
l.c.l., works.....bbl. 8.75 - —
tanks, works.....gal. .07½- .08½
refd., 50-gal., bbls., c.l, wks. bbl. 8.75 - —
l.c.l., works.....bbl. 9.25 - —
tanks, works.....gal. .08½- —
water-gas, crude, 50 gal., dms., c.l., works..bbl. 8.25 - —
l.c.l., works.....dm. 8.75 - —
refd., 55-gal. dms., c.l., wks. dm. 8.75 - —
l.c.l., works.....dm. 9.25 - —
Cobalt acetate, bbls., kgs., dlvd.. lb. .33½- —
feed grade, 49.5% Co, kgs..lb. 1.25 - —
Carbonate, powd., bgs., works.. lb. 1.58 - —
feed grade, 39% Co, kgs....lb. 1.05 - —
Chloride, kgs., works.....lb. .07½- —
feed grade, 24.5% Co, kgs..lb. 1.20 - —
Hydrate, bbls.....lb. 2.04 - —
feed grade, 62% Co, kgs....lb. 2.25 - —
Linoleate, paste, 8%, dms...lb. .32 - .35
solid, 8½%, dms.....lb. .44 - —
Nitrate, feed grade, 20.6% Co, kgs..lb. 1.25 - —
Oleate, bbls.....lb. .44 Nom.
Oxide,[1] black, kgs.....lb. 1.84 - —
Phosphate, feed grade, 34% Co, kgs..lb. 1.75 - —
Resinate, precip., 7.8% Co, 100-lb. dms..lb. .33½- —
Soyate, 8%-8.5% Co, 50-gal. amse..lb. .42 - .44
Sulphate,[6] dms.....lb. .62 - —
feed grade, 21% Co, kgs....lb. 1.60 - —

Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland or New York.

Cobalt-ammonium sulphate, 14% Co. kgs..lb. .75 - —
Cocaine hydrochloride, 100-oz. lots, ons..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .46 - .47
silver, Teneriffe, bgs.....lb. .47 - .49
Cocoa butter,[1,7] bulk, ship. pt. lb. .26 - —
Coeliana bark, bgs.....lb. .60 - .61
Codeine, cns., 100 ozs.....oz. 11.70 - —
Hydrochloride, cns., 100 ozs. oz. 10.80 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls.....lb. .22 - .28
blue, bls. .....lb. .24 - .25
Colchicine, bots., cns.....oz. No stocks
Colchicum seed.....lb. No stocks
Collodion, USP, dms.....lb. .19½- .20½
cns. .....lb. .20 - .20½
Flexible, USP, dms.....lb. .31 - .32
cns. .....lb. .30 - .31
Colocynth pulp, bls.....lb. .52 - .63
Colombo root, bls.....lb. .12 - .14
Coltsfoot leaves, bgs.....lb. .70 - .73
Condurango bark, bgs.....lb. .17 - .18
Copaiba balsam, Para, cns....lb. No stocks
S. A., USP, cns.....lb. .90 - 1.00
Copper acetate, cupric, bbls., works..lb. .25½- —
smaller containers, wks..lb. .27 - —
Carbonate, 52-54%, bbls.....lb. .19½- .20½
Chloride, anhyd., bbls.....lb. .22½- .23
crystals, bbls.....lb. .14½- .17
Cyanide, tech., bbls.....lb. .24 - .30
Iodide, bots.....lb. 5.15 - 5.19
Metal,[1] electrolytic.....lb. .12 - .12½
Naphthenate, 6%-8% Cu, 50-gal. dms..lb. .16 - .17
Nitrate, tech., cryst., bbls..lb. .19½- .20½
Oleate, precip., bbls.....lb. .22½- .23½
Oxide, black, bbls., works...lb. .19 - .20
lb. .19 - .20
red, com'l, bbls., works....lb. .21 - .24½
Oxychloride-sulphate,[6] bgs...lb. .17 - .20
Resinate, precip., 8.2% Cu, 125-lb. dms..lb. .13½- .16
Sulphate,[1] 99%, cryst., bgs., c.l., works..100 lbs. 5.00 - —
l.c.l., 700 to 36,000 lbs.. 100 lbs. 5.15 - 5.30
monohydrated, bgs., in dms., 36,000-lb. lots, dlvd..100 lbs. 10.20 - —
smaller lots, dlvd..100 lbs. 10.95 - —
dms., c.l., dlvd.....100 lbs. 9.95 - 9.20
l.c.l., dlvd.....100 lbs. 9.95 -10.20
Copperas, cryst., gran., bgs., c.l., works..ton. 17.00 - —
l.c.l., works.....100 lbs. 1.65 - 2.00
bbls., c.l., works.....ton. 20.00 - —
bulk, c.l., works.....ton. 14.00 - —
Copra,[7] Coast, ship't.....lb. No prices
Coriander[1] seed, Argentine, bgs. lb. .07 - .09
Indian, bgs.....lb. No stocks
Morocco, bgs.....lb. .08½- .09
Peru, bgs.....lb. .08 - .09½
So. American, bgs.....lb. .10 - .10½
Corn silk, bls.....lb. .45 - .46
Corn sugar, tanners, shipped, bgs., c.l., dlvd..100 lbs. 3.965 - —
slabs, bbls., c.l., dlvd.... 100 lbs. 3.625 - —
Syrup, 42°, bbls., c.l., dlvd.. 100 lbs. 4.231 - —
43°, bbls., c.l., dlvd..100 lbs. 4.271 - —
Corrosive sublimate,[6] cryst., ams., 50 lbs. or more..lb. 2.07 - —
gran., powd., dms., 50 lbs. or more..lb. 1.92 - —
Cottonroot bark, bls.....lb. .35 - .40
Cottonseed hull ash, 33-36% potash, bgs., dlvd..unit-ton. 1.20 - —
Meal,[1,7] 41% protein, bulk, Memphis, c.l..ton. 45.00 -49.75
Coumarin,[1] cns., 5 lbs. or more.. lb. 2.75 - —
smaller lots.....lb. 2.90 - 3.10
Cramp bark, NF, bls.....lb. .80 - .81
Cream of tartar, dom., USP, gran. or powd., bbls., 5,000 lbs. one ship't..lb. .51½- —
smaller lots, bbls., bgs., lb. .52 - .53½
imported, bls.....lb. .50 - .55
Creosote carbonate, bots., cbys., lb. 2.10 - 2.30
Coaltar (see Cresol).
Oil,[3] coaltar, crude, tanks, works..gal. .15½- —
refined, dms., c.l., works, gal. .247 - .2625
l.c.l., same basis....gal. .26 - .28
tanks, same basis....gal. .18 - .18½
solution, tanks, works....gal. .141 - —
Wood, beech, bots., cbys....lb. .85 - 1.04
Hardwood, N.F., bots., cbys. lb. .60 - .77
Pine, dms.....gal. .31 - .32
Cresol,[1,3] special resin grades, dms., c.l., works, frt. equald., lb. .09½- .10½
l.c.l., same basis.....lb. .10 - .11
tanks, same basis.....lb. .08½- .09½
USP, dms., c.l., same basis..lb. .10¾- .11¾
l.c.l., same basis.....lb. .11¼- .11¾
tanks, same basis.....lb. .10 - .10½
Crotonaldehyde, 97%, l.c.l., 55 and 110-gal. dms..lb. .15 - —
5 and 10-gal. dms., works.. lb. .18 - —
Cryolite, nat.,[4] bgs., bbls., c.l., works..100 lbs. 2.50 - 2.75
bbls., l.c.l., works....100 lbs. 10.00 - —
synth.,[4] bgs., bbls., c.l., frt. alld. E. of Miss. R..lb. .09½- —
l.c.l., works.....lb. .09½- —
Cube root, 5% rotenone, bbls., works..lb. .40 - —
4% rotenone, bbls., works..lb. .35 - —
Cubeb berries, XX, bgs.....lb. No stocks
powd., cs.....lb. No stocks
Culvers root, bls.....lb. .35 - .40
Cumin seed, Cyprus, bgs.....lb. No stocks
Indian, bgs., futures.....lb. .33½- .34
Morocco, bgs.....lb. No stocks
Persian, bgs.....lb. .36 - .36½
Syrian, bgs.....lb. No stocks
Cutch, bgs.....lb. No stocks
Cyanamide,[3] fertilizer mixing grades, guaranteed, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, bulk, unit-ton. 1.62½- —
21% N., pulv., bgs., same basis..unit-ton. 1.82½- —
Cyclohexane, tech., dms., c.l., works..lb. .10½- —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09½- —
Cyclohexanol, 98%-100%, dms., works..lb. .31 - .33
Cyclohexanone, 97½% min., dms., c.l., works..lb. .30 - .33
tech., dms., c.l., works.....lb. .30 - —
l.c.l., works.....lb. .30½- —
tanks, works.....lb. .29 - —
Cyclopropane, USP, cyls., dlvd., gal. .27 - —

D

Damiana leaves, bls.....lb. .35 - .40
Dandelion root, bls.....lb. .75 - .80
DDT, fiber, dms., c.l., works..lb. .45 - —
ton lots, works.....lb. .50 - —
tins, smaller lots, work....lb. .53 - .60
Decanol, normal, tech., dms., dlvd..lb. .25 - —
Deertongue, bls.....lb. .94 - .95
Defluorinated phosphate,[1] paper bgs., works..ton. 34.25 - —
Degras,[1] common, bbls.....lb. .10 - .13
neutral, less 2% ffa, bbls....lb. .29 - .30
over 2% ffa, bbls.....lb. .30½- .30½
Derris root (see Cube root).
Dextrin, British gum, bgs., c.l., Chicago .....100 lbs. 4.92 - —
l.c.l. .....100 lbs. 5.39 - —
Chicago .....100 lbs. 5.05 - —

ADVENTURES IN THE "MARGIN OF EXPERIENCE"
Paper Making-
A BUSINESS THAT BUILDS BUSINESS
Old in years but young in spirit, the paper industry is an outstanding example of what practical and courageous pioneering can do to build business not only for itself but for other industries as well.
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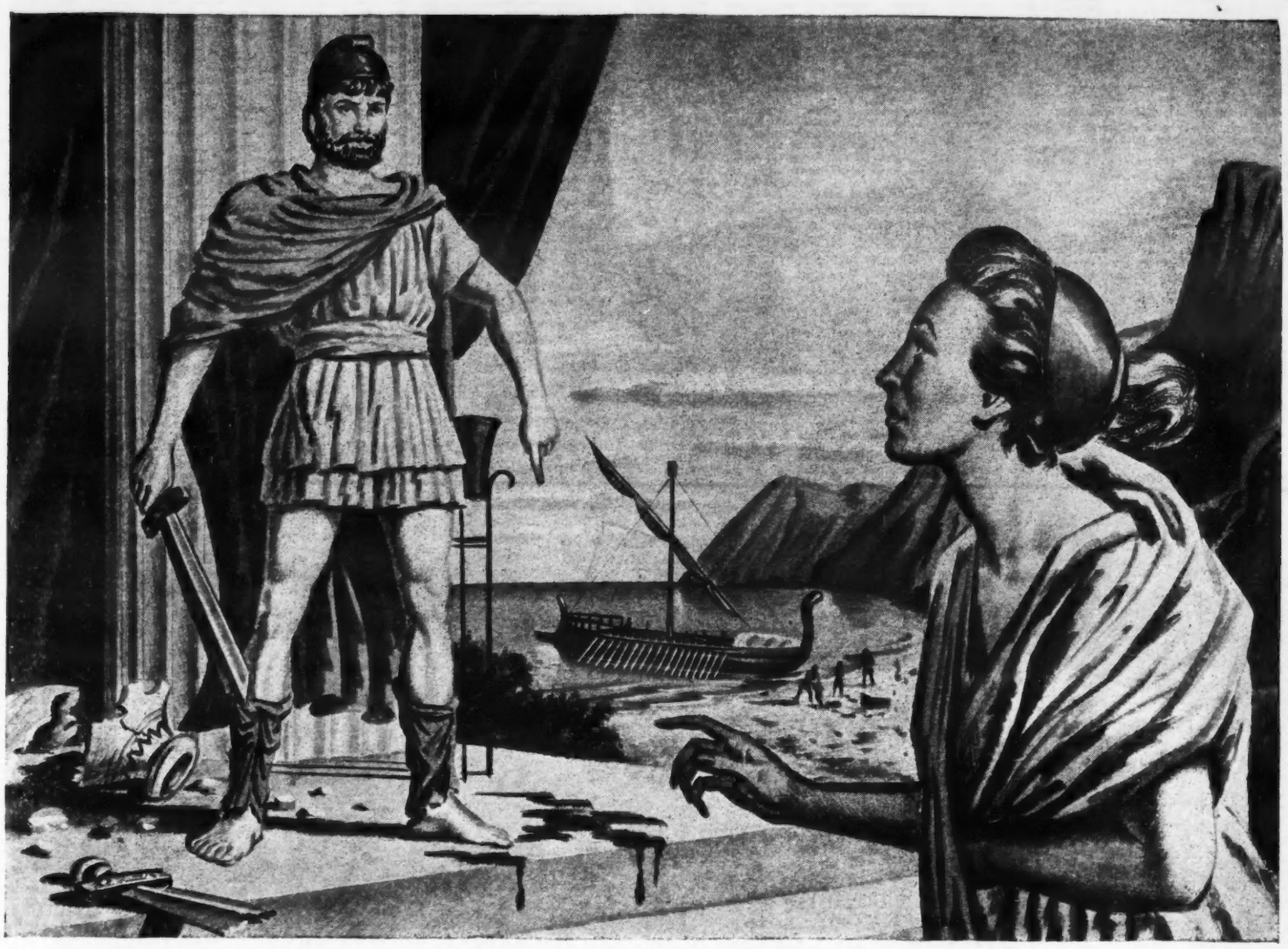

Ulysses Cleans House

AFTER slaughtering the suitors of his wife, Ulysses recognized the need for a cleanup and called "Quickly, O Dame, bring fire so that I may burn sulfur, the cure of ills!"

Sulfur was then used as a fumigating agent, for Homer speaks of the "pest-averting sulfur" and the "divine and purifying Sulfur."

Known since remote times, sulfur was regarded by the alchemists as the principle of combustion. Sulfur is a poor conductor of electricity and becomes negatively electrified by friction. Insoluble in water, sulfur melts at 119° C with boiling point of 444.6° C, burning with a characteristic blue flame.

For over seventy-nine years, Mallinckrodt has specialized in the development and manufacture of such sulfur compounds as Ammonium, Calcium, Potassium and Sodium Sulfite; Meta Bisulfites; and Bisulfites. For Sulfur products of dependable uniformity and purity, specify MALLINCKRODT.

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UNIFORM • DEPENDABLE • PURITY

Corn, canary, bgs., c.i.	100 lbs.	5.04	- —
Chicago	100 lbs.	4.68	- —
l.c.l.	100 lbs.	5.14	- —
Chicago	100 lbs.	4.78	- —
white, bgs., c.i.	100 lbs.	4.97	- —
Chicago	100 lbs.	4.61	- —
l.c.l.	100 lbs.	5.07	- —
Chicago	100 lbs.	4.71	- —
Potato, bgs., c.i.	lb.	.10	- —
l.c.l.	lb.	.10¼	- .11¼
Diacetone (see Alcohol, diacetone).			
Diacetyl, flavor grades, bots.	lb.	5.50	- 5.55
laboratory grade, bots.	100 grams.	4.50	- —
tech., bots., works.	lb.	3.00	- —
Diamyl ether (see Amyl ether).			
Phthalate,[6] dms., c.l., divd.	lb.	.2170	- .2200
l.c.l., divd.	lb.	.2220	- .2250
tanks, divd.	lb.	.2070	- .2100
Sulphide, l.c.l., dms., works.	lb.	.25	- —
Diatomaceous earth, dom., CP, bgs., c.l., Atlantic coast.	lb.	.07	- —
l.c.l., ex whse.	lb.	.10	- .16
nat. bgs., c.l., Pacific coast.	ton.	32.00	-35.00
l.c.l., ex whse.	ton.	45.00	- —
purified, bgs., c.l., Atlantic coast.	ton.	55.00	-60.00
l.c.l., ex whse.	ton.	55.00	-60.00
imported, Algerian, bgs., c.l., Atlantic coast.	ton.	No prices	
Mexican, white, bgs., c.l., Atlantic coast.	lb.	.02	- .03
l.c.l.	lb.	.04	- .06
Dibutyl phthalate,[6] 5-gal cns., works.	lb.	.2250	- .2900
1-gal. cns., works.	lb.	.2450	- .3100
dms., c.l., works.	lb.	.1700	- .2350
l.c.l., works.	lb.	.1750	- .2400
tanks, works.	lb.	.1600	- .2259
Dibutyl sebacate, dms., c.l., works.	lb.	.5000	- .5870
l.c.l., works.	lb.	.5050	- .5430
tanks, works.	lb.	.4900	- .5270
Tartrate, dms., works, frt. alld.	lb.	.92	- 1.02
Dibutylamine, dms., c.l., works.	lb.	.86	- —
l.c.l., works.	lb.	.90	- —
Dichlorodiphenyltrichloroethane (see DDT)			
Dichloroethyl ether,[6] purified, dms., c.l., works, frt. equald with Sc. Charleston.	lb.	.16	- —
l.c.l., same basis.	lb.	.17	- —
tanks, same basis.	lb.	.15	- —
Diethanolamine,[6] dms., c.l., frt. alld. in E.	lb.	.23½	- —
l.c.l., same basis.	lb.	.24½	- —
tanks, same basis.	lb.	.13	- —
Diethyl carbonate, com'l, dms.	lb.	.23	- —
refd., 99%, dms.	lb.	.30	- —
Oxalate, dms., c.l., divd.	lb.	.30½	- —
l.c.l., divd.	lb.	.31	- —
Phthalate,[6] dms., c.l., divd.	lb.	.21½	- —
l.c.l., divd.	lb.	.22	- —
tanks, divd.	lb.	.20½	- —
Sulphate, dms., c.l., works.	lb.	.14	- —
l.c.l., works.	lb.	.15	- —
tanks, works.	lb.	.13	- —
Diethylamine, dms., c.l., works.	lb.	.44	- —
l.c.l., works.	lb.	.46	- —
tanks, works.	lb.	.40	- —
Diethylaminoethanol, dms., l.c.l., works, frt. alld. E. of Miss. R.	lb.	.75	- —
Diethylaniline, dms.	lb.	.40	- —
Diethyleneglycol, dms., c.l., frt. alld. in E.	lb.	.14	- —
l.c.l., same basis.	lb.	.15	- —
tanks, same basis.	lb.	.13	- —
Diethyleneglycol monobutylether, dms., c.l., works.	lb.	.22	- —
l.c.l., works.	lb.	.23	- —
tanks, works.	lb.	.21	- —
Monoethylether, dms., c.l., wks.	lb.	.15½	- —
l.c.l., works.	lb.	.16½	- —
tanks, works.	lb.	.14½	- —
Digitalis leaves, dms.	lb.	1.10	- 1.15
Diglycol laurate, dms.	lb.	.81	- .82
Oleate, light, bbls., c.l.	lb.	.17	- —
Stearate, bbls., c.l.	lb.	.22	- —
Dihydroxydichlorodiphenylmethane, dms., works of N.Y. met.	lb.	.96	- 1.00
smaller containers, same basis	lb.	1.06	- 1.40
Di-isobutyl ketone, dms., works,	lb.	.19	- —
Dillseed, natural, afloat, bgs.,	lb.	.09	- .09½
decorticated, ogs.	lb.	.13	- .13½
dewhiskered, bgs.	lb.	.09¼	- .09¾
Dimethyl phthalate, dms., c.l., divd.	lb.	.20	- —
l.c.l., divd.	lb.	.20¼	- —
tanks, divd.	lb.	.19	- —
Dimethylamine, dms., c.l., divd.	lb.	.85	- —
l.c.l., divd.	lb.	.90	- —
Dimethylaniline, dms., c.l.	lb.	.21	- —
l.c.l.	lb.	.22	- —
Dinitrobenzene, bbls.	lb.	.18	- —
Dinitrochlorobenzene, dms.	lb.	.14	- —
Dinitronaphthalene, kgs.	lb.	.35	- .38
Dinitrophenol, bbls.	lb.	.22	- —
Dinitrotoluene, dms.	lb.	.18	- —
oily, dms.	lb.	.06	- —
Diorthotolylguanidin, dms., ton lots, divd.	lb.	.44	- —
smaller lots, divd.	lb.	.46	- .47
Dioxan, dms., c.l., frt. alld.	lb.	.20	- —
l.c.l., same basis.	lb.	.21	- —
tanks, same basis.	lb.	.19	- —
Dip oil (see Tar acid oil).			
Dipentene,[1] destructive dist., dms., divd. E.	gal.	.55	- .56
tanks, divd. E.	gal.	.46	- —
steam-dist., dms., divd. E.	gal.	.56	- .58
tanks, divd. E.	gal.	.52	- .53
Diphenyl,[6] bbls., c.l., works.	lb.	.15	- —
l.c.l., works.	lb.	.16	- .20
Oxide, perfume grade, cns.	lb.	.45	- .50
dms.	lb.	.43	- .46
Diphenylamine, bbls.	lb.	.38	- —
Diphenylguanidin, dms., tons.	lb.	.35	- —
smaller lots.	lb.	.36	- .37
Divi-divi,[1,6] 42% tannin, c.l., U.S. ports, ex dock.	ton.	71.00	-72.00
Doggrass root, dom., cut, bls.	lb.	.39	- .50
Imp., NF, cut, bls.	lb.	.45	- .50
Dogwood, Jamaica, bark, bls.	lb.	.12	- .14
Dover's powder, USP, cns.	lb.	No stocks	
Dragon's blood, drops, cs.	lb.	.56	- .60
reeds, cs.	lb.	No stocks	

Dyes, coaltar (certified colors for foods, drugs and cosmetics), 5-lb. lots—

Blue, FD&C, No. 1, cns.	lb.	13.00	- —
Green, FD&C, No. 1, cns.	lb.	13.00	- —
No. 2, cns.	lb.	17.00	- —
No. 3, cns.	lb.	27.00	- —
Orange, FD&C, No. 1, cns.	lb.	2.80	- —
No. 2, cns.	lb.	3.55	- —
Red, FD&C, No. 1, cns.	lb.	5.75	- —
No. 2, cns.	lb.	2.05	- —
No. 3, cns.	lb.	17.00	- —
No. 4, cns.	lb.	5.50	- —
No. 32, cns.	lb.	4.05	- —
Yellow, FD&C, No. 1, cns.	lb.	8.00	- —
No. 3, cns.	lb.	2.55	- —
No. 4, cns.	lb.	2.55	- —
No. 5, cns.	lb.	3.05	- —
No. 6, cns.	lb.	3.05	- —

Dyes, coaltar (certified colors for drums and cosmetics), 1-lb. lots—

Black, D&C, No. 1, cns.	lb.	6.85	- —
Blue, D&C, No. 4, cns.	lb.	12.35	- —
Brown, D&C, No. 1, cns.	lb.	12.35	- —
Green, D&C, No. 5, cns.	lb.	12.35	- —
No. 6, cns.	lb.	12.35	- —
Orange, D&C, No. 5, cns.	lb.	8.35	- —
No. 4, cns.	lb.	15.35	- —
No. 10, cns.	lb.	15.35	- —
Red, D&C, No. 8, cns.	lb.	2.85	- —
No. 17, cns.	lb.	8.35	- —
No. 18, cns.	lb.	15.35	- —
Yellow, D&C, No. 7, cns.	lb.	8.35	- —
No. 8, cns.	lb.	8.35	- —
No. 11, cns.	lb.	15.35	- —
No. 19, cns.	lb.	15.35	- —
No. 22, cns.	lb.	8.35	- —
No. 23, cns.	lb.	15.35	- —
No. 27, cns.	lb.	12.35	- —

Dyes, coaltar (certified colors for external use drugs and cosmetics), 1-lb. lots—

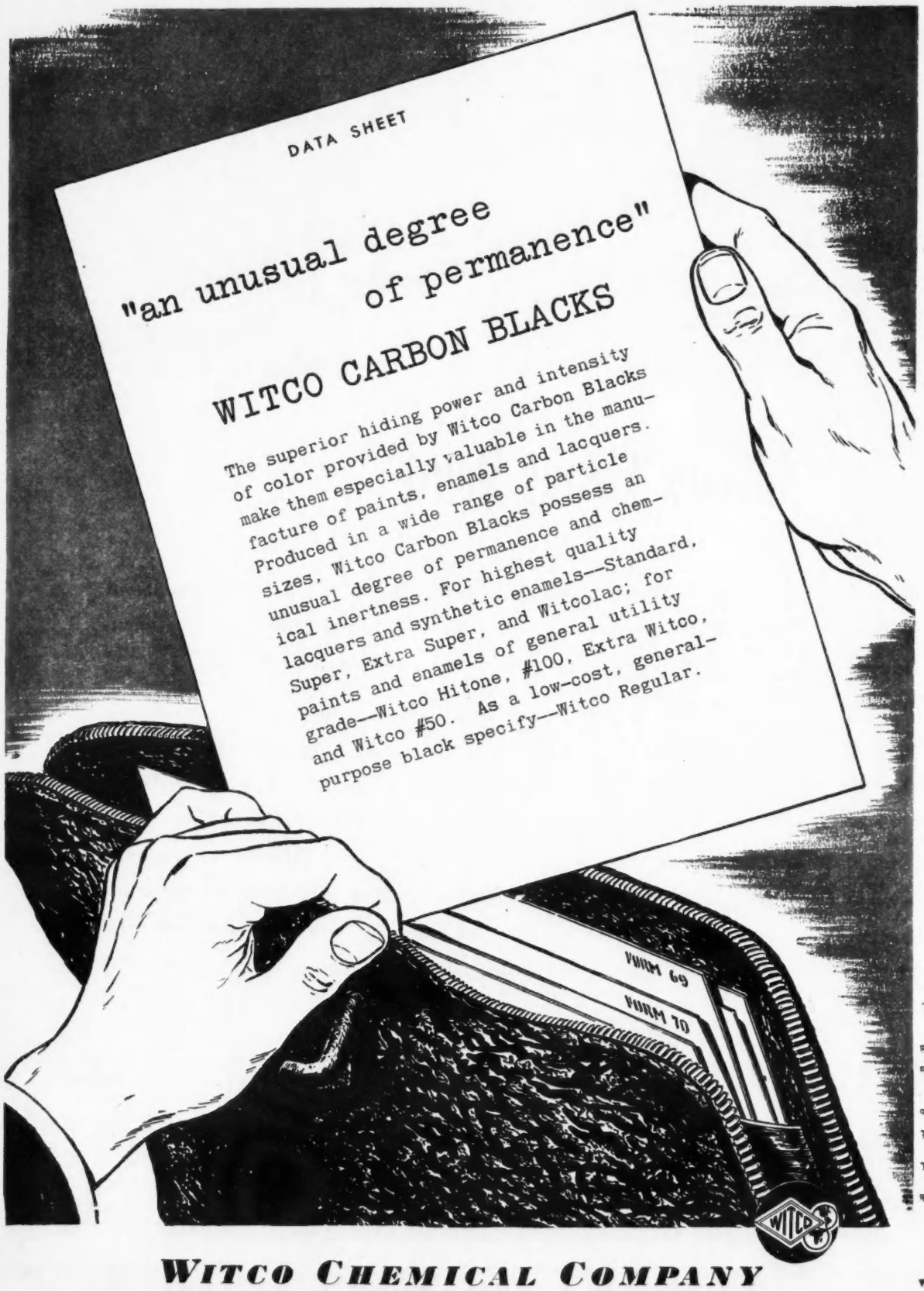
Blue, Ext. D&C, No. 1, cns.	lb.	12.35	- —
Green, Ext., D&C, No. 1, cns.	lb.	12.35	- —
Red, Ext. D&C, No. 1 cns.	lb.	10.35	- —
No. 3, cns.	lb.	21.35	- —
No. 8, cns.	lb.	7.35	- —
No. 10, cns.	lb.	12.35	- —
No. 13, cns.	lb.	12.35	- —
Yellow, Ext. D&C, No. 1, cns.	lb.	8.35	- —

Dyes, coaltar, for general uses (numbers are those of Colour Index scale)—

86 Chrome yellow, 2G.	lb.	.65	- .70
40 Chrome yellow R.	lb.	.50	- 1.00
53 Victoria violet.	lb.	.80	- 1.00
165 Lake red C.	lb.	.70	- .80
170 Fast red A.	lb.	.56	- .60
180 Fast red VR.	lb.	1.50	- 1.60
189 Lake red R, paste.	lb.	.85	- .90
189 Lake red R, powd.	lb.	3.00	- 3.10
202 Chrome blue black U.	lb.	.35	- .42
204 Chrome black A.	lb.	.42	- .45
208 Fast red blue R.	lb.	.75	- 2.00
216 Chrome red B.	lb.	1.75	- 2.00
262 Cloth red 2B.	lb.	.60	- .80
289 Fast cyanin 5R.	lb.	.90	- 1.00
299 Chrome black F.	lb.	.85	- .88
304 Paper yellow.	lb.	.83	- .90
307 Fast cyanin black B.	lb.	.80	- .85
326 Direct fast scarlet.	lb.	2.00	- 2.25
365 Chyrophenin G.	lb.	.58	- .70
382 Direct scarlet B.	lb.	1.15	- 1.20
387 Direct violet B.	lb.	1.00	- 1.80
394 Direct violet N.	lb.	.80	- .85
401 Developed black BHN.	lb.	.45	- .60
406 Direct blue 2B.	lb.	.66	- .70
415 Direct orange B.	lb.	.60	- .70
419 Direct fast red F.	lb.	.70	- .73
420 Direct brown M.	lb.	.55	- .57
448 Benzo purpurin 4B.	lb.	.65	- .68
495 Benzo purpurin 10B.	lb.	.40	- .50
	lb.	.35	- .50
502 Direct azcrin G.	lb.	.75	- .80
512 Direct blue RD.	lb.	.80	- 1.00
518 Direct pure blue 6B.	lb.	1.20	- 1.30
520 Direct pure blue.	lb.	.50	- 1.00
529 Direct fast black FF.	lb.	.55	- 1.00
581 Direct black EW.	lb.	.50	- .54
582 Direct black RX.	lb.	.35	- .45
592 Direct green B.	lb.	.50	- .55
594 Direct green G.	lb.	.50	- .55
596 Direct brown 3GO.	lb.	.85	- 1.00
620 Direct yellow R.	lb.	1.25	- 1.50
698 Acid violet.	lb.	1.00	- 3.00
812 Primulin	lb.	.70	- .73
814 Direct fast yellow.	lb.	2.00	- 2.25
845 Nigrosin (water soluble)			
1177 Indigo, 20% paste	lb.	.15	- .18
Benzo fast black L	lb.	.90	- 1.00
Sulphur black	lb.	.20	- .25
Sulphur blue	lb.	.45	- 1.00
Sulphur brown	lb.	.25	- .30
Sulphur maroon	lb.	.40	- —
Sulphur tan	lb.	.50	- .60
Sulphur olive	lb.	.25	- .54
Sulphur yellow	lb.	.30	- .50
Zambesi black	lb.	.75	- .90

Dyes, coaltar, for stains, oil-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 5c. per lb. higher, sellers' works or warehouse).

Black—			
905 Nigrosin derivatives.	lb.	.36	- .44
Blue—			
1075 Alizarin astral base.	lb.	15.00	- —
1078 Alizarin cyanin green base.	lb.	6.00	- —
Brown—			
Brown	lb.	1.15	- —
Green—			
1079 Alizarin cyanin green.	lb.	5.00	- —
Green	lb.	.75	- —
Orange—			
24 Sudan I.	lb.	.75	- —
Red shade.	lb.	.75	- —
Red—			
75 Sudan II.	lb.	1.05	- —
258 Sudan IV.	lb.	.85	- —
660 Oil violet.	lb.	.80	- —
749 Rhodamine E (oil pink).	lb.	2.50	- —
1050 Anthraquinone violet base.	lb.	6.00	- —
Yellow—			
15 Amidoazobensene yellow.	lb.	.90	- —
17 Amidoazotoluene yellow.	lb.	.75	- —
61 Yellow OB.	lb.	1.40	- 2.00


DATA SHEET
"an unusual degree of permanence"
WITCO CARBON BLACKS
The superior hiding power and intensity of color provided by Witco Carbon Blacks make them especially valuable in the manufacture of paints, enamels and lacquers. Produced in a wide range of particle sizes, Witco Carbon Blacks possess an unusual degree of permanence and chemical inertness. For highest quality lacquers and synthetic enamels—Standard, Super, Extra Super, and Witcolac; for paints and enamels of general utility grade—Witco Hitone, #100, Extra Witco, and Witco #50. As a low-cost, general-purpose black specify—Witco Regular.
FORM 69
FORM 70
WITCO

WITCO CHEMICAL COMPANY

Manufacturers and Exporters

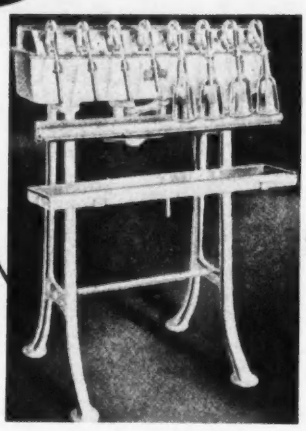
295 MADISON AVENUE, NEW YORK 17, N. Y. • Boston • Chicago • Detroit • Cleveland • Akron • London

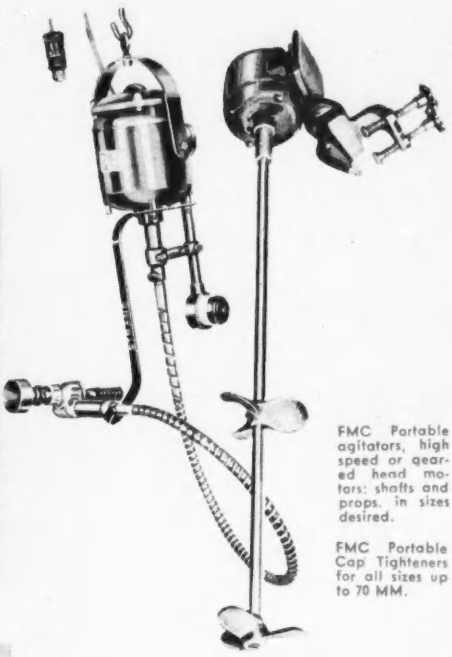
Now! New FMC EQUIPMENT

Reasonably Prompt Shipments

For the first time in four years, the First Machinery Corp. is in a position to solicit orders on our line of New Process Equipment. The material and labor situation has improved so greatly that on most items almost immediate delivery can be made; on others thirty or sixty day shipments prevail. Full data and price quotations supplied on request.

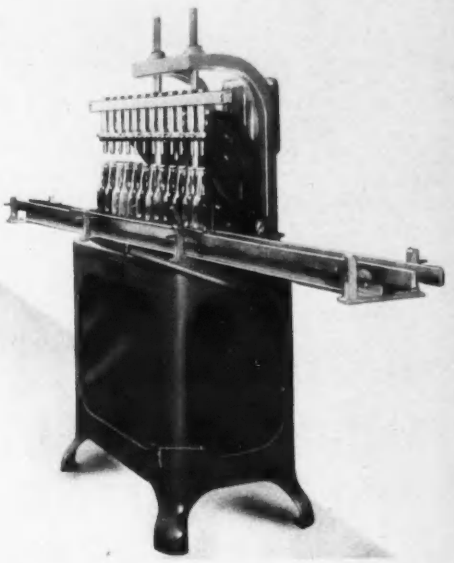
FMC SYPHON FILLERS, rotary or straight line operation; hundreds now in use all over the world; will fill up to gallons.





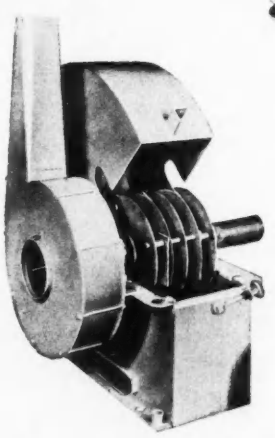
FMC Portable agitators, high speed or geared head motors; shafts and props. in sizes desired.

FMC Portable Cap Tighteners for all sizes up to 70 MM.

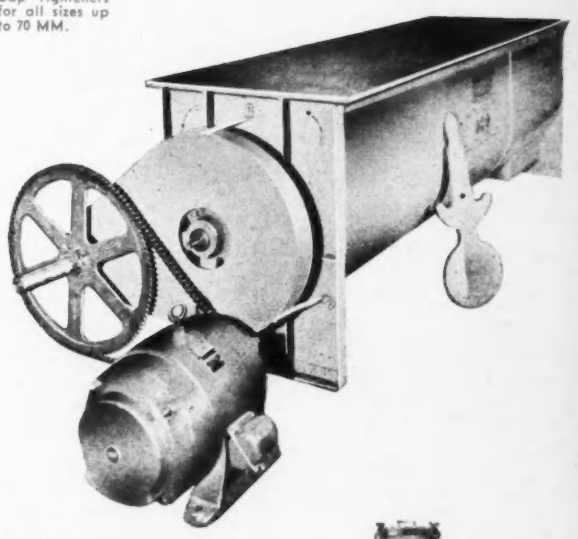


FMC VACUUM FILLER in Stainless or Bronze plated; will fill containers up to Gallons, any finish opening; highly adjustable; one operator 40-50 per minute.

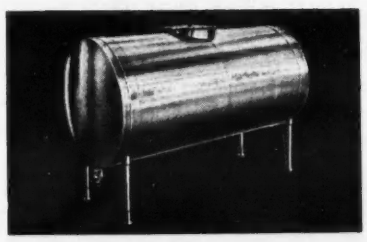
STAINLESS STEEL EQUIPMENT



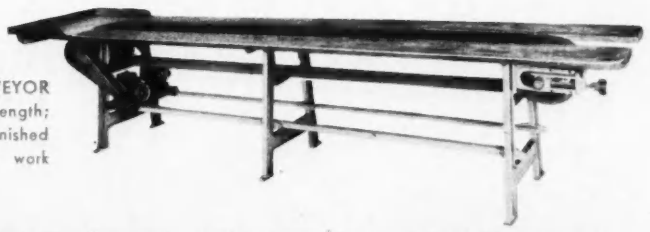
FMC PULVERIZER, or Hammer Mill or Granulator; swinging hammers with screen regulation of mesh; tremendous capacity; two sizes available.



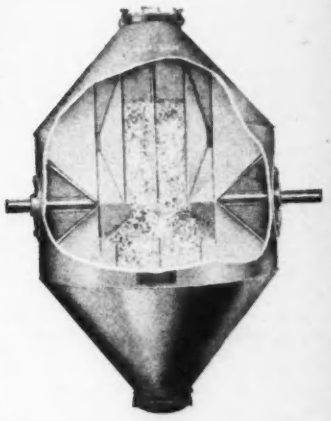
FMC DRY POWDER MIXERS, all steel; of double ribbon type; 400 lb. to 4000 lb. may be had with Sifter if desired.



FMC STAINLESS STEEL KETTLES, TANKS and VACUUM PANS; a complete line for every purpose; jacketed for steam, water or unjacketed; all standard sizes; agitators if desired.



FMC BELT CONVEYOR in any width or length; variable speed; furnished with or without work boards.



FMC TUMBLING BATCH MIXERS from 1 cu. ft. to 60 cu. ft.; furnished complete with frame and drive and motor if desired.

FMC FIRST MACHINERY CORP.

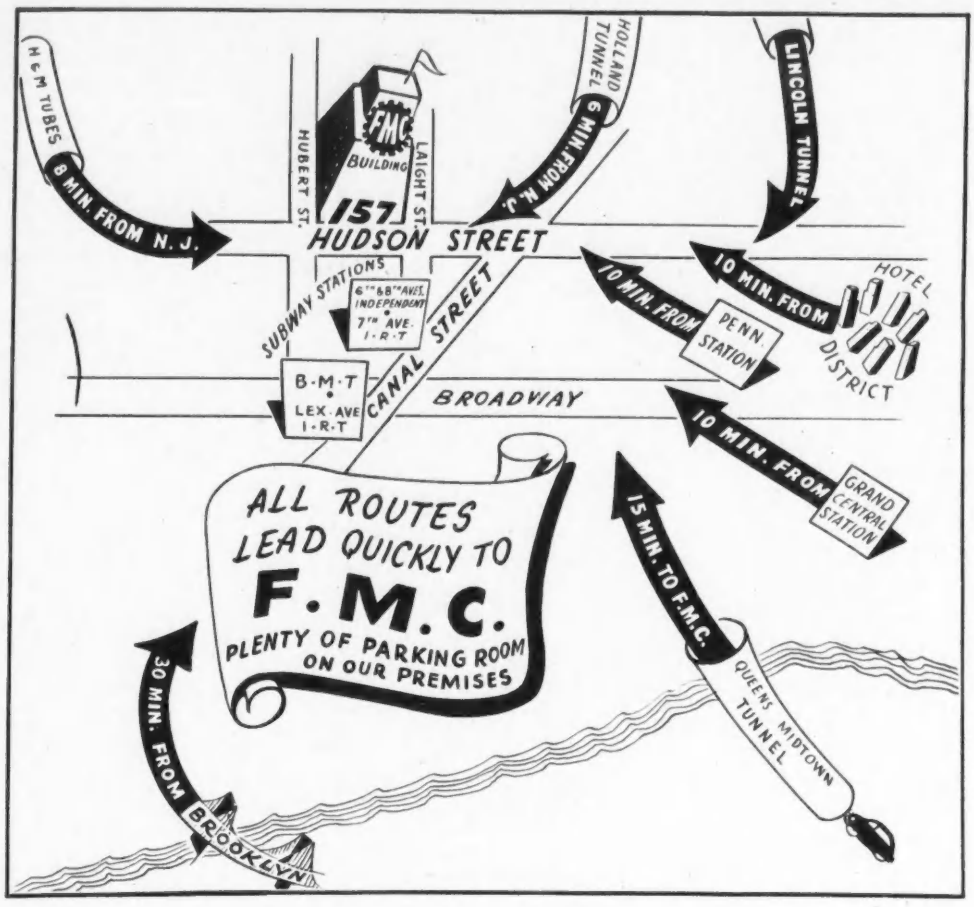
157 HUDSON ST., NEW YORK 13, N. Y.

(Still at 819 E. 9th St. — Moving shortly to 157 Hudson St.)

New! FIRST MACHINERY HEADQUARTERS
Most Easily Reached Spot In New York

FMC

The New FMC Equipment Headquarters at 157 Hudson Street, New York City, is not only the most easily reached spot in New York but also very efficiently organized to serve you best in our field. In addition to our tremendous stock of choice, highly desirable machines, we keep an up-to-the-minute index of thousands of units available all over the country. FMC is in excellent position to supply JUST the equipment you need or to find a customer for the machine you want to sell.



FINEST FACILITIES for RECONDITIONING GOOD USED EQUIPMENT

Our newly equipped machine shop has been furnished with every piece of brand new machine tool required to rebuild and adapt our line of equipment; metal working and wood working devices will be skillfully used by a staff of expert master mechanics and we are depending on this set up to maintain the reputation and guarantee of FMC equipment.

DESIRABLE EQUIPMENT AVAILABLE for Prompt Shipment

1 Devine No. 27 Double Door, 17 Shelf Vacuum Dryer complete with condenser and Vacuum Pump
1 Black & Clawson Double Drum Dryer; 28"x60" with accessories
3 Double Drum Atmospheric Dryers; 27½"x63"
1 Devine Double Bronze Drum Dryer; 3'x9' with 25 H.P. Motor
1 Buffalo Double Drum Dryer; 32"x72"
1 Buffalo Single Drumchrome plated Dryer; 5'x6' with auxiliaries
2 Vacuum Drum Dryers; 48"x40" (1 iron, other Bronze, chromed)
1 Buffalo Vacuum Drum Dryer, 5'x20'
1 Rotary Vacuum Dryer; 3'x18' with auxiliaries
2 Galland & Henning Steam Tube Dryers; 6'x30'
1 Ruggles-Cole Rotary Dryer; 4'x20' with auxiliaries
1 Proctor & Schwartz 3 Pass Apron Dryer; 41' long
1 Ross 4 Pass Continuous Conveyor Dryer; 60' long with accessories
3 Raymond 1MP Mills No. 45 with accessories
1 Raymond 1MP Mill 24" with accessories
1 Mitts Merrill Hog or Shredder Model 3D
7 Hardinge Conical Mills from 36" Dia. to 8'
1 Calendar Roll Mill; 10 H.P. 5 rolls 6"x 12" and 7½"x14"
1 Day 12"x32" 3 roll (all watercooled) Mill with motor
2 Kent Three Roll Mills; 16"x40"; arranged for Pulley Dr.
1 Houchin-Aiken Three Roll Mill; 20"x48" arr. for P.D.
2 Buhler three roll Water Cooled Mills; 16"x40"-V Belt driven
1 Raymond "00" Mill with Dust Collector and accessories
1 Bauer Double Runner 30" Attrition Mill; P.D.
1 Sturdevant No. "0" Hammer Mill with 10 H.P. Motor

STOKES AND COLTON TABLET MACHINES
Rotaries and Single Punch in good guaranteed condition for nearly every size tablet; for large or small production.

1 U.S. Colloid Mill No. 1 with 5 H.P. motor
1 U.S. Colloid Mill with two 10 H.P. motors
1 Logeman S.S. Homogenizer with fractional motor
1 Sparkler S.S. Filter; production size
1 Sharples No. 16 Centrifuge with Monel Contact Parts
1 Sharples Centrifuge Type M4P with Stainless Contact Parts
1 Sharples No. 6 Centrifuge with tinned bowl
3 Tolhurst & American 48" Centrifugal Extractors; 1 (Rubber) 2 (S.S.)
1 Davenport Moisture Expeller Model 1A with 10 H.P. Motor
1 Davenport Type 3R Monel Dewatering Press
1 Swenson Triple Effect Evaporator; Cast iron bodies; 4'3"x10'4"
1 Struthers Wells Triple Effect Evaporator; Cast Iron Bodies; 20"x10'
1 Zahm Evaporator or De-Alcoholizer; 15"x12'
1 Stainless Steel Vacuum Still; Jacketed and Agitated; 33"x60"
1 Glass Lined Jacketed and Side Agitated Kettle; 200 gal. open top
2 Glass Lined Jacketed and Agitated Vacuum Kettles; 200 gal., 300 gal.
1 Pfaudler 60"x24" Glass Lined Jkted Evaporating Kettle with Glass Coated Agitator . . . condition new
2 Aluminum Jacketed Vacuum Pans; 250 gal.; 400 gal.
1 Copper Jacketed Vacuum Pan; about 175 gal.
1 Glass Lined 3000 gal. Sectional Vacuum Still with jacketed bottom
1 Copper Distillation Column; 36"x23'; sectional type
4 Heavy Duty Vertical Copper Tanks; 4'x 9'6"; with manholes
2 Horizontal Copper Tanks; 4'4"x12" with manhole
1 Shriver 18"x18" Wood Plate & Frame Filter Press
2 Shriver Cast Iron Pl. & Fr. Filter Presses; 24"—30"
2 Sweetland Filters No. 7 (Bakelite lined) No. 10 (lead lined)
2 Louisville 36" Continuous Filters
4 Adams Water Filters 1000 GPM for large systems
1 Industrial All Iron Rotary Filter; drum 6'x3'
1 Standard Automatic 50 ton Plastic Molding Press with accessories
1 Farquahr 100 ton Extrusion Press 10"x 38½"; stroke 40"
1 Southwark 500 ton Curb Press; 40" bed; 18" ram
1 Bethlehem 2000 ton Hydraulic Press; 8 heated plates 5'6"x8'9"
1 Wood 7500 ton Hydraulic Press; 54" cylinder; 30" stroke; daylight 54"
1 Allen 4" Plastic Extruder; arr. for V Belt drive
5 Jacketed Autoclaves or Pressure Vessels; 4'x6'
3 Ft Wayne Sterilizers; 72 cases capacity
1 Pneumatic Scale 11 Stem Automatic Vac. Filler with Kreamer Capper
1 Rotex No. 44 Sifter 40"x84"; 4 separations
1 Triangle Model SN Auger Type Powder Filler; 8 oz. to 5 lbs.
1 Johnson Aut. Auger Type Powder Filler; arr. for M.D.
2 National Packaging Two Station Auger Type Aut. Fillers
1 National Packaging Four Station Auger Type Aut. Filler

FMC FIRST MACHINERY CORP.

157 HUDSON ST., NEW YORK 13, N. Y.

(Still at 819 E. 9th St. — Moving shortly to 157 Hudson St.)

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Black—
248 Naphthol blue black S lb .50 - —
729 Victoria blue B lb. 1.65 - —
861 Indulin lb .87 - —
673 Methylene gray lb. 1.50 - —
909 New blue P lb. 1.20 - —
922 Methylene blue lb 1.00 - —
1054 Alizarin saphirol B lb 1.90 - —
1130 Indigotin IA lb. .85 - —

Blue—
714 Patent blue A lb. 1.05 - 1.10

Brown—
261 Bismarck brown G lb .47 - .62
254 Resorcin brown Y lb .65 - .
235 Resorcin dark brown R. lb. .66 - —
632 Bismarck brown R lb. .47 - .63
793 Phosphin lb. 4.65 - —

Green—
5 Naphthol green B lb. 1.00 - —
607 Malachite green lb. 1.35 - —
662 Brilliant green lb. 2.00 - —
666 Guinea green B lb. 1.15 - —
737 Wool green S lb. .58 - —
924 Methylene green B lb. 1.55 - —
1078 Alizarin cyanin green lb 2.00 - —

Orange—
10 Chrysodin G lb. .44 - —
21 Chrysodin R lb. .41 - —
27 Orange G lb. .50 - —
31 Amidonapnthol red G lb. .42 - —
37 Amidonaphthol red 6B, lb. .68 - —
151 Orange Y lb. .31 - .35
161 Orange R lb. .84 - —

Red—
79 Ponceau R lb. .46 - —
88 Fast red B lb. 1.85 - —
176 Fast red A lb. .84 - —
179 Azorubin lb. .68 - —
183 Crocein scarlet 3BX lb. .72 - .75
185 Cochineal red A lb. .60 - —
202 Brilliant crocein M lb. .68 - —
677 Fuchsin lb. 2.10 - —
749 Rhodamine B lb. 3.50 - —
752 Rhodamine 6B lb. 4.50 - —
798 Eosin G lb. 1.50 - —
941 Safranin lb. 1.45 - —

Violet—
680 Methyl violet B lb. .70 - .75
681 Crystal violet B lb. 1.75 - —
695 Acid violet 4BN lb. .68 - —

Yellow—
10 Naphthol yellow S lb. .88 - —
138 Metanil yellow lb. .56 - .58
636 Fast light yellow lb. 1.25 - —
639 Xylene light yellow lb. 1.15 - —
640 Tartrazin lb. .80 - —
655 Auramine lb. 1.27 - —

Dyes, coaltar, for stains, water-soluble (prices E. in barrels of 250 lbs. each; 25 lbs. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Black—
864 Nigrosin lb. .36 - .44

Blue—
860 Indulin lb. .60 - .70

Brown—
331 Bismarck brown lb. 1.50 - —

Green—
637 Malachite green base lb. 2.00 - —

Orange—
20 Chrysoidin G lb. .95 - —
21 Chrysoidin R lb. .96 - —

Red—
677 Fuchsin, magenta, base, lb. 7.25 - —
749 Rhodamine R lb. 4.75 - —

Yellow—
67 Amidoazotoluene yellow, lb. .75 - —
655 Auramine lb. 2.00 - —
800 Chinolin yellow SS lb. 2.00 - —

Violet—
680 Methyl violet base lb. .85 - —

Dyes, natural (see name of article).

E

Echinacea root, bls lb. .70 - .75
Egg,[1,7] albumen (see Albumen).
Yolk,[1,7] dried, dom., bbls lb. 1.04 - 1.10
imported lb. No stocks
Elder flowers, bright, bls lb. .75 - .85
Elecampane root, bls lb. .50 - .55
Elm bark, grinding, bls lb. .35 - .36
powd., bbls., bxs lb. .53 - .58
select, bndls lb .55 - .58
Emetine hydrochloride, bots oz. 53.50 -56.50
Ephedra, bls lb. .28 - .30
Ephedrine, natural, USP, anhydrous, bots oz. 1.15 - 1.65
Hydrochloride, tins oz. .95 - 1.45
Sulphate, tins oz. .95 - 1.45
Synthetic, USP, anhydrous, bots 100 ozs. .65 - —
hydrous, bots, 100 oz oz. .65 - —
Hydrochloride, tin, 100 ozs. oz. .50 - —
Sulphate, cryst., tins, 100 ozs. oz. .48 - —
Epinephrine, synth., USP, bots. gram. .75 - —
Epsom salt, tech., cryst., bgs., c.l. 100 lbs. 1.80 - 1.95
l.c.l. 100 lbs. 2.15 - 2.40
dried, bgs lb. .03½- —
l.c.l., bgs lb. .04 - .07
USP, cryst., bgs., c.l. 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal 100 lbs. 2.25 - —
smaller lots 100 lbs. 2.50 - —
bbls., c.l. 100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal 100 lbs. 2.35 - —
smaller lots 100 lbs. 2.60 - —
kgs., c.l. 100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal 100 lbs. 2.60 - —
smaller lots 100 lbs. 2.85 - —

Epsom salt prices freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland Houston, New Orleans, New York

Ergot, USP, cns lb. 1.65 - 1.70
Eserine, bots oz. No prices
Sulphate, 1-gram, vials vial. 2.10 - —
Ether, acetic (see Ethyl acetate).
Amyl (see Amyl ether).
Butyl, l.c.l., dms., dlvd lb. .30 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs. lb. .98 - 1.10
Sulphuric, conc., dms lb. .11 - .16
USP anesthesia, hospitals, 1-lb. cns lb. .60 - .61
Synthetic, dms., c.l., frt. alld. lb. .11 - —
l.c.l., same basis lb. .12 - —
tanks, same basis lb. .09 - —
Ethyl acetate, 85-90%, dms., c.l., frt. alld lb. .1050- .1200
l.c.l., frt. alld lb. .1100- .1250
tanks, frt. alld lb. .0950- .1100
95-98%, dms., c.l., frt. alld. lb. .1075- .1275
l.c.l., frt. alld lb. .1125- .1225
tanks, frt. alld lb. .0975- .1175
NF, dms lb. .14½- .15½
Acetoacetate, dms., c.l., works. lb .37½- —
l.c.l., frt. alld lb. .38 - —
Ethyl benzoate, bots lb. .50 - .52
Bromide, tech., dms lb. .50 - .55
Carbamate, dms., dlvd. E lb. .58 - —
Chloride, tech., dms lb. .18 - .20
USP, bbls., cyl lb. .20 - .22
Cinnamate, cns lb. 2.65 - 3.00
Formate, dms., Agnue, Calif., lb. .28 - .32
Iodide, bots lb. 3.50 - 3.60
Lactate, dms., works lb. .33½- .39½
Myristate, dms., works lb. .55 - —
Oenanthate, dms lb. 1.10 - 1.15
Oleate, dms., l.c.l., works lb. .47 - —
Oxalate, dms., frt. alld lb. .33 - —
Silicate, dms., l.c.l., works lb. .77 - —
Ethylcellulose, pkgs., 5,000 lbs. or more, works lb. .50 - —
smaller lots, works lb. .52 - .60
Ethyldiethanolamine, dms., l.c.l., works lb. .80 - —
Ethylene dichloride, dms., c.l., works, frt. alld. E. of Rockies, frt. alld lb. .0642- —
West of Rockies lb. .0691- —
l.c.l., works, frt. alld. E. of Rockies lb. .0801- —
West of Rockies lb. .0941- —
tanks, frt. alld. E. of Rockies, lb. .0743- —
West of Rockies lb. .0792- —
Trichloride (see Trichlorcethane).
Ethyleneglycol, dms., c.l., frt alld. in E lb. .10 - —
l.c.l., same basis lb. 11
tanks, same basis lb. .09 - —
Monobutylether, dms., c.l., wks. lb. .17½- —
l.c.l., works lb. .18½- —
tanks, works lb. .16½- —
Monoethylether, dms., c.l., wks. lb. .15½- —
l.c.l., works lb. .16½- —
tanks, works lb .14½- —
Ethyleneglycol, monoethylether acetate, dms., c.l., works lb. .13½- —
l.c.l., works lt. .14½-
tanks, works lb. .12½- —
Monomethylether, dms., c.l., wks. lb. .16½- —
l.c.l., works lb. .17½- —
tanks, works lb. .15½- —
Ethylethanolamine, dms., c.l., works lb. .57 - —
l.c.l., works lb. .60 - —
Ethylmonoethanolamine, l.c.l., dms., works lb. .80 - —
Ethylmorphine, hydrochloride bots oz. 10.50 -10.75
Ethylvanillin,[1] cns., 5 lbs. or more lb. 5.25 - —
smaller lots lb. 5.50 - 5.60
Eucalyptol, cns., dms lb. 2.85 - 3.25
Eucalyptus leaves, bls lb. .14 - .15
Eugenol, cns., dms lb. 2.65 - 3.
Euphorbia, bls lb. .13 - .14

F

Feldspar,[1] enamel, 100 mesh, ton. 17.00 -20.50
bulk, c.l. ton. 14.00 -17.50
glass, 20 mesh, bgs., works, min. 2 tons ton. 12.75 -16.25
bulk, c.l. ton. 9.75 -12.25
pottery, bgs., l.c.l., works, min 2 tons ton. 20.00 -22.00
bulk, c.l., works ton. 17.00 -19.00
Fennel seed, Argentine, bgs lb. .32 - .32½
Indian, bgs lb. .16½ Nom
Fenugreek, domestic, bgs lb. No stocks
Indian, bgs lb. .10 - .10½
Morocco, bgs lb. .10½- .11
Ferric sulphate (see Iron sulphate, ferric).
Film scrap, colored, cs., works lb. .13½- .15
water-white, cs., works lb. .14½- .17
Fir balsam, Canada, cns gal. 19.00 -19.50
Oregon, bbls gal. 2.35 - 2.40
Fishberries, bgs lb. .24 - .25
Fishliver oils (see Oil, fishliver).
Fishmeal,[1,7] grd., 60% protein, bgs., E. works ton. 72.50 - —
65% protein, bgs., E. works, ton. 75.00 - —
Fishscrap,[7] dried, 60% protein, bulk, East coast ton. 66.50 - —
Flake white, bbls lb. .09 - —
kegs lb. .11 - —
Flaxseed, dom., French-type, bgs. lb. .63 - .64
French, black, bgs lb. No stocks
Indian, blonde, bgs lb. .19 - .20
Fluorspar,[1] No. 1, ground, 95-98% CaF_2 bulk, c.l., mines, net ton. 37.00 - —
washed, gravel, 70% or more CaF_2, c.l., bulk, mines, ton. 33.00 - —
65%, c.l., bulk, mines ton. 33.00 - —
60%, c.l., bulk, mines ton. 31.00 - —
less than 60%, c.l., bulk, mines ton. 30.00 - —
Formaldehyde,[1] bbls., c.l., works, lb. .0520- —
l.c.l., works lb. .0570- —
dms., extra, c.l., works lb. .0460- —
l.c.l., works lb. .0510- —
tanks, works lb. .0320- —
tanktrucks, dlvd. N.Y.C lb. .0345- —
Fringetree bark, bls lb. .55 - .58
Fuller's earth,[1] dom., powd., bgs., c.l., Fla., Ga. mines, ton. 8.50 -15.00
Tex. mines ton. 12.50 - —
spent, bulk, Bayonne ton. 3.00 - —
Chicago ton. 4.00 - —
Imp. bgs., c.l. ton. 30.00 -40.00
Furfural, ref., dms., c.l., works, lb. .15½- —
cns., dms., l.c.l., works lb. .18½- .25½
tech., dms., c.l., works lb. .13 - —
l.c.l., cns., dms lb. .15½- .20½
tanks, works lb. .09½- —

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Fusel oil, crude, dmss., works.gal. .75 - —
refd., dmss., dist.....lb. .18½- .19½
Fustic extract, cryst., No. 1, bbls., l.c.l..lb. .35 - —
No. 1A, bbls., l.c.l.....lb. .34 - —
No. 2, bbls., l.c.l.....lb. .33 - —
No. 3, bbls., l.c.l.....lb. .31 - —
liquid, No. 0, bbls., l.c.l....lb. .19 - —
No. 1, bbls., l.c.l.....lb. .17½- —
No. 2, bbls., l.c.l.....lb. .16½- —
No. 3, bbls., l.c.l.....lb. .14 - —
solid, No. 1, bxs., l.c.l.....lb. .20½- —

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .24 - .26
Gambier, cube, Singapore, ss..lb. No stocks
Extract, bbls.....lb. No stocks
Gammapicoline, 95%, dmss., c.l., works..lb. 1.35 - —
Gasoline,[1] at refinery, ex tax, Arkansas, 73-75 octane, tanks, gal. .05½- —
Bayonne, 73-75 octane, tanks, gal. .07 - .08
Gulf Coast, 73-75 octane, tanks..gal. .0570- .0625
Group 3, 73-75 octane, tanks, gal. .05 - .06
Pennsylvania, western, US motor, 74 octane, leaded, tanks..gal. .07 - .07⅛
natural, 26/70 octane, Group 3, tanks..gal. .02¾- —
Gelada, silver label, ctns., dlvd. lb. .90 - .97
export, cs.....lb. 1.00 - —
Silver label prices 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash. and Wyo.
Gelsenium root, bls.....lb. .40 - .45
Gentian root, bls.....lb. .36 - .38
grd., bbls., bxs.....lb. .38 - .40
powd., bbls., bxs.....lb. .39 - .41
Geraniol, 92-95%, cns., dms...lb. No prices
Geranyl acetate, cns.....lb. No prices
Ginger,[1] African, No. 1, bls...lb. .15 - .15½
Calicut, Romeo-type, bgs....lb. .16½- .17
Cochin, bleached, bgs.....lb. .16 - .16½
unbleached, bgs.....lb. .15½- .16
Jamaica, No. 1, bgs.....lb. .23 - .23½
No. 2, bgs.....lb. .18½- .19
No. 3, bgs.....lb. .16½- .16⅝
Rhattoon, bgs.....lb. .15⅝- .16½
Glaubers salt, anhyd. (see Soda sulphate).
cryst., bgs., bbls., works.... 100 lbs. 1.05 - 1.45
Glue, bone, calcium type, 24 millipoise, 36 jellygrams, bgs., c.l., East of Midwest. lb. .16 - .23
50/55, bgs., c.l., same basis..lb. .15½- .23½
55/82, bgs., c.l., same basis. lb. .17 - .24
82/108, bgs., c.l., same basis. lb. .18½- .25½
Bone glue l.c.l. prices 1c. higher than c.l.
Hide,[1] 100-121 (jelly test in grams), bgs., c.l., dlvd....lb. .14 - .21½
122-149, bgs., c.l., dlvd....lb. .15 - .23½
150-177, bgs., c.l., dlvd....lb. .16 - .23½
178-206, bgs., c.l., dlvd....lb. .17 - .24½
207-236, bgs., c.l., dlvd....lb. .18 - .25½
237-266, bgs., c.l., dlvd....lb. .19 - .26½
267-298, bgs., c.l., dlvd....lb. .20 - .27½
299-330, bgs., c.l., dlvd....lb. .21 - .28½
331-362, bgs., c.l., dlvd....lb. .22 - .29½
363-394, bgs., c.l., dlvd....lb. .23 - .30½
395-427, bgs., c.l., dlvd....lb. .24 - .31½
428-460, bgs., c.l., dlvd....lb. .25 - .32½
461-494, bgs., c.l., dlvd....lb. .26 - .33½
495-529, bgs., c.l., dlvd....lb. .27 - .34½
Hide glue l.c.l. prices 1c. higher than c.l.: bbls., ½c. over bgs.
Glycerin, crude, saponification, 80%, to refiners, tanks...lb. .12¾- —
soaplye, 80%, tanks.....lb. .11½- —
dynamite, dmss., c.l.....lb. .17½- .18¼
l.c.l.....lb. .18 - .18⅝
tanks.....lb. .17¼- .18
high gravity, dmss., c.l.....lb. .17½- .18¼
l.c.l.....lb. .18 - .18⅝
tanks.....lb. .17¼- .18
refined, B.P., 98%, dmss., c.l..lb. .18⅝- —
tanks.....lb. .18½- —
USP, 96%, dmss., c.l.....lb. .18¼- —
l.c.l.....lb. .18⅝- —
tanks.....lb. .18- —
yellow, distilled, dmss., c.l...lb. .17⅝- —
tanks.....lb. .17¼- —
Glycine, USP, bbls., tins.....lb. 1.25 - 1.30
Glycol boriborate, dmss.....lb. .22 - —
Stearate, dmss.....lb. .26 - —
Gold chloride, acid-brown, bots. oz.20.75 -21.00
acid-yellow, bots.....oz.18.75 -19.00
Gold-soda chlorids, photo., bots.. oz.18.00 - —
USP IX, bots.....oz.14.50 -14.75
Goldenseal root, bls.....lb. 8.75 - 9.00
powd., bxs.....lb. 9.25 - 9.50
Gold of pleasure seed, bgs....lb. No stocks
Grains of paradise, bgs.....lb. .80 - .87
Graphite,[1] dom., crystalline, 80% through 50 mesh, graphitic carbon content 65-70%, bgs., whse..lb. .04½- —
70-75%, bgs., same basis. lb. .05 - —
75-80%, bgs., same basis. lb. .05½- —
80-85%, bgs., same basis. lb. .06 - —
85-90%, bgs., same basis. lb. .07 - —
90% and up, same basis. lb. .08 - —
Grease, house,[1,7] loose.....lb. .05½- —
White, choice, loose.....lb. .06⅝- —
Wool (see Adeps lanae and Degras).
Green, brilliant,[1] thiofavin toner, molybdic, bgs., works..lb. 2.35 - —
tungstic, bgs., works.....lb. 2.75 - —
Chrome,[1] CP, dark, light, medium, blue content up to 5%, bbls., divd. N. of Tenn. and N.C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .23 - —
15% bbls., same basis...lb. .26 - —
20%, bbls., same basis...lb. .26½- —
21-25%, bbls., same basis.lb. .26 - —
26-30%, bbls., same basis.lb. .26½- —
31-35%, bbls., same basis.lb. .27½- —
36-40%, bbls., same basis.lb. .29 - —
41-45%, bbls., same basis.lb. .30½- —
46-50%, bbls., same basis.lb. .33 - —
reduced color, 5%, bbls., same basis..lb. .06⅝- —
9-10%, bbls., same basis.lb. .07½- —
11-13%, bbls., same basis.lb. .08 - —
14-16%, bbls., same basis.lb. .08½- —
17-19%, bbls., same basis.lb. .08⅝- —
20-21%, bbls., same basis.lb. .08⅝- —
22-23%, bbls., same basis.lb. .09 - —
24-25%, bbls., same basis.lb. .09½- —
26-27%, bbls., same basis.lb. .09⅝- —
28-29%, bbls., same basis.lb. .10 - —
30-31%, bbls., same basis.lb. .10⅛- —
32-33%, bbls., same basis.lb. .12 - —
34-35%, bbls., same basis.lb. .13 - —
36-40%, bbls., same basis.lb. .14 - —
41-45%, bbls., same basis.lb. .17 - —
46-50%, bbls., same basis.lb. .17½- —
51-55%, bbls., same basis.lb. .18 - —
56-60%, bbls., same basis.lb. .18½- —
61-65%, bbls., same basis.lb. .19 - —
70%, bbls., same basis...lb. .20 - —
71-75%, bbls., same basis.lb. .21 - —

Chrome green prices are ½c. higher divd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher divd. Pac. Coast; for Denver, Pueblo, Salt Lake City and Wichita, prices are equalized with Chicago.

Green, chrome oxide, pure, dmss., wks..lb. .24 - —
Malachite, thioflavin toner, molybdic, bbls., works..lb. 3.00 - —
tungstic, bbls., works....lb. 3.50 - —
Phthalocyanin,[1] tetrahydroxide (hydrated chromium oxide, bbls., works....lb. .85 - —
toner, bbls., works.....lb. 4.00 - 5.00
Paris (see P).
Tungstated, brilliant, kgs...lb. 3.00 - —
emerald, kgs.....lb. 2.60 - —
Verdigris (see V).
Green dyes (see Dyes, coaltar).
Grindelia robusta, bls.....lb. .21 - .23
Guaiac, resin, cs.....lb. .29 - .30
Wood, bls.....lb. .05 - .09
Guaiacol, liquid, N.F., bots., cbys..lb. 1.60 - 1.86
Carbonate, dmss.....lb. 2.40 - 2.45
Guanidin carbonate,[1] bbls., c.l., works..lb. .97 - —
l.c.l., works.....lb. .65 - .78½
Guarana, powd., cs.....lb. 2.00 - 2.10
Gum accroides (see Gum, yacca).
Aloe (see A).
Ammoniac, tears, cs.....lb. .90 - .95
Arabic, amber, sorts, bgs...lb. .12 - .12½
white, sorts, 1, bgs.....lb. .28 - .30
Asafetida (see A).
Asphaltum (see A).
Gum, benzoin, artificial, cns...lb. 1.75 - 2.65
Camphor (see C).

Copal, Congo (former dollar-and-cent ceilings revoked Feb. 2. New ceiling prices are to be based on prices to be paid by importers in the Belgian Congo plus landed costs, as determined by a formula under import regulation).

East India,[1] Batu, bold, scraped, c.l., same basis..lb. .10⅝- —
unscraped, same basis.lb. .09 - —
chips, same basis...lb. .12 - —
dust, same basis...lb. .06⅜- —
nubs and chips, same basis..lb. .06⅝- —
pale, Hiro-Macassar,[1] bold, bgs., c.l., same basis..lb. .17⅜- —
chips, same basis....lb. .11⅛- —
dust, same basis...lb. .06⅛- —
nubs, same basis...lb. .12⅜- —
Singapore, Rasak, bold, bgs., same basis..lb. .22⅜- —
chips, same basis...lb. .11⅛- —
dust, same basis. .lb. .05⅛- —
nubs, same basis...lb. .10⅜- —
Macassar,[1] dust, bgs., c.l., same basis..lb. .07⅜- —
MA, same basis.....lb. .09⅜- —
MB, same basis.....lb. .09⅛- —
WS, bgs., same basis....lb. .11⅜- —
Manila, Boeac,[1] hard, bold, amber, light, bakts., c.l., same basis..lb. .13⅛- —
dark, light, same basis..lb. .14⅛- —
white, same basis.....lb. .15⅛- —
Loba,[1] A, bgs., c.l., same basis..lb. .14 - —
B, same basis.....lb. .13⅜- —
C, same basis.....lb. .13⅜- —
CRB, same basis.....lb. .12 - —
ONE, same basis.....lb. .10 - —
D, same basis.....lb. .12⅜- —
DBB, same basis.....lb. .11 - —
DK, same basis.....lb. .09⅛- —
DU, same basis.....lb. .06⅜- —
dust, same basis.....lb. .07⅜- —
WB, same basis.....lb. .09⅛- —
WS, same basis.....lb. .11⅜- —
white split chips, bgs., c.l., same basis..lb. .15⅛- —
dust, same basis.....lb. .07⅜- —
whse., entry point, c.l...lb. .06⅜- —
Manila-Singapore,[1] white split chips, bgs., c.l., same basis. lb. .16½- —
extra bold, sorts, bgs., c.l., same basis..lb. .12⅜- —
pale chips, bold, same basis. lb. .12 - —
nubs, WCB, same basis..lb. .12⅜- —
seeds, dust same basis....lb. .06⅜- —
SG, same basis.....lb. .10⅛- —
small chips, same basis..lb. .11⅜- —
c.l., same basis..lb. .23⅜- —
Pontianak, bld., scraped, bgs., mixed, same basis..lb. .17⅜- —
chips, small, same basis..lb. .12⅜- —
cuttings of split, same basis. lb. .19½- —
nubs, same basis.....lb. .15 - —
Gum copal, l.c.l., prices ½c. to ⅝c. higher.
Dammar,[1] Batavia, A, cns., c.l., same basis..lb. .25½- —
A/C, same basis.....lb. .31½- —
A/D, same basis.....lb. .29⅜- —
A/E, same basis.....lb. .28⅜- —
B, same basis.....lb. .24⅜- —
C, same basis.....lb. .23⅜- —
D, same basis.....lb. .23⅜- —
E, same basis.....lb. .19⅜- —
F, same basis.....lb. .18⅜- —
dust, same basis.....lb. .12⅜- —

What goes into your product determines what your paint customers get out of it.

* * *

The features above are important, not only in use, but also in manufacture and on the dealer's shelf.

* * *

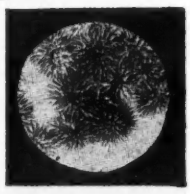
And you can get them ... all 14 ... in one pigment—Basic Carbonate White Lead. White Lead not only has these properties itself but imparts them to mixed paints in well-balanced proportion.

* * *

Many of White Lead's advantages stem from its noteworthy ability to form "lead soaps"—as described under the photomicrograph at the right.

* * *

Our technical staff is at your service to explain how to fit Dutch Boy Basic Carbonate White Leads into your formulations. Secure the benefit of our vast experience which includes 28 years of continuous outdoor paint testing at our Sayville, L. I., test station.



Lead "SOAPS" make your paint a better paint...

The photomicrograph at the right shows the "lead soap" formations to which many of White Lead's paint-making properties are traceable. Characterized by a fibrous structure with multiple projections radiating from a central core, these soaps spread out and mechanically reinforce the paint film. Thus they help make a more completely bonded film, having greater toughness, elasticity, adhesion and weather resistance.

The tendency of white lead to combine with linseed oil also explains why this pigment wets easily and consequently mixes and grinds well.

NATIONAL LEAD COMPANY: *New York 6, Buffalo 3, Chicago 80, Cincinnati 3, Cleveland 13, St. Louis 1, San Francisco 10, Boston 6 (National Boston Lead Co.); Pittsburgh 30 (National Lead & Oil Co. of Penna.); Philadelphia 7 (John T. Lewis & Bros. Co.)*

DUTCH BOY *Basic Carbonate* **WHITE LEADS**

★ ★ 21

OPD—4-15-1946

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(SMALL QUANTITY AVIATION GRADE)

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This Toluene, manufactured for U. S. wartime requirements, is No. 1 Nitration Grade, with the exception of a small quantity which is aviation grade. Now offered in carload lots for approved uses only, such as: warranted blending for motor fuel, or new uses for which Toluene has not heretofore been used. Export is encouraged. Much of this Toluene is located where it can be shipped by barge on inland waterways, or by ocean tankers. Details as to permitted uses, prices, and deliveries may be obtained from any War Assets Corporation Regional Office.

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SANDUSKY, OHIO
CHATTANOOGA, TENN.
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RADFORD, VA.
BAYTOWN, TEXAS
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POINT PLEASANT, W. VA.

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(A SUBSIDIARY OF RECONSTRUCTION FINANCE CORPORATION)

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Gum, dammar, Singapore,[1] No. 1, c.s., c.l..lb. .80¾- —
2, bgs., same basis.....lb. .25 - —
3, bgs., same basis.....lb. .12¾- —
chips, cs., same basis....lb. .23½ —
dust, bgs., same basis...lb. .13 - —
seeds, cs., same basis....lb. .17¼- —
Gum, damgar, l.c.l., prices ¼c. to ½c. higher.
Elemi,[1] cns., c.l., ex dock or whse. entry port..lb. .69¼- .69¾
Ester,[1] gum-rosin, type, dms., c.l., divd., Ill., Ind., Ky., Mich., Mid-Atl. States, N. England States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va..lb. .1900- —
l.c.l., divd., Ill., etc.....lb. .1825- —
other points, same basis, lb. .1690- —
wood-resin type (formerly designated as "ordinary"), dms., c.l., divd. Ill., Ind., etc..lb. .1050- .1075
Euphorbium, cs.....lb. 1.80 Nom.
Galbanum, cs.....lb. 1.00 - 1.05
Gamboge, pipes, cs.....lb. No stocks
powd., bbls.....lb. No stocks
Ghatti, bgs.....lb. No stocks
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., cns....lb. .18 - .46
Kauri,[1] brown, chips, extra, bgs., c.l., ex dock, whse..lb. .13 —
dust, same basis.....lb. .12½- —
nubs, same basis.....lb. .24 - —
No. 1, extra, same basis...lb. .24 - —
superior, same basis.....lb. .21 - —
No. 2, extra, same basis...lb. .20 - —
superior, same basis.....lb. .17¼- —
No. 3, same basis.....lb. .23 - —
x, same basis.....lb. .26 - —
2x, same basis.....lb. .49 - —
3x, same basis.....lb. .77 -

Gum, kauri, bush, assorted, same basis..lb. .35 - —
bold, same basis.....lb. .40 - —
bright, same basis.....lb. .18 - —
chips, same basis.....lb. .32 - —
dark, same basis.....lb. .18 - —
white, chips, pale, same basis, lb. .20¾- —
dust, pale, same basis...lb. .20¾- —
extra, same basis...lb. .25½- —
No. 1, same basis.....lb. .45 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .30 - —
Superior, No. 1, same basis, lb .41 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .22 - —
3x, same basis.....lb. .05¾- —
4x, same basis.....lb. .06 - —
5x, same basis.....lb. 1.80 - —
Gum kauri, l.c.l., prices are ½c. to ¾c. higher.
Locust bean, powd., bbls.....lb. .50 - .60
Mastic, cs.....lb. 3.50 Nom.
Myrrh, cs.....lb. .48 - .50
Olibanum, siftings, cs.....lb. .12 - .13
tears, cs.....lb. .21 - .35
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac,[1] casks.....lb. .97¼- .99½
Scammony, cs.....lb. 1.20 - 1.35
Talha, bgs.....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 3.75 - 3.80
No. 2, cs.....lb. 2.70 - 2.75
No. 3, cs.....lb. 2.10 - 2.15
Yacca,[1] red gum, coarse, bgs., ex dock, whse..lb. .05 - —
powdered.....lb. .07¼- —
Gypsum, Keene's cement, paper bgs., c.l., Acme, Tex., frt. equald..ton.32.65 - —
Harlem River, N. Y., frt. equald..ton.30.65 - —

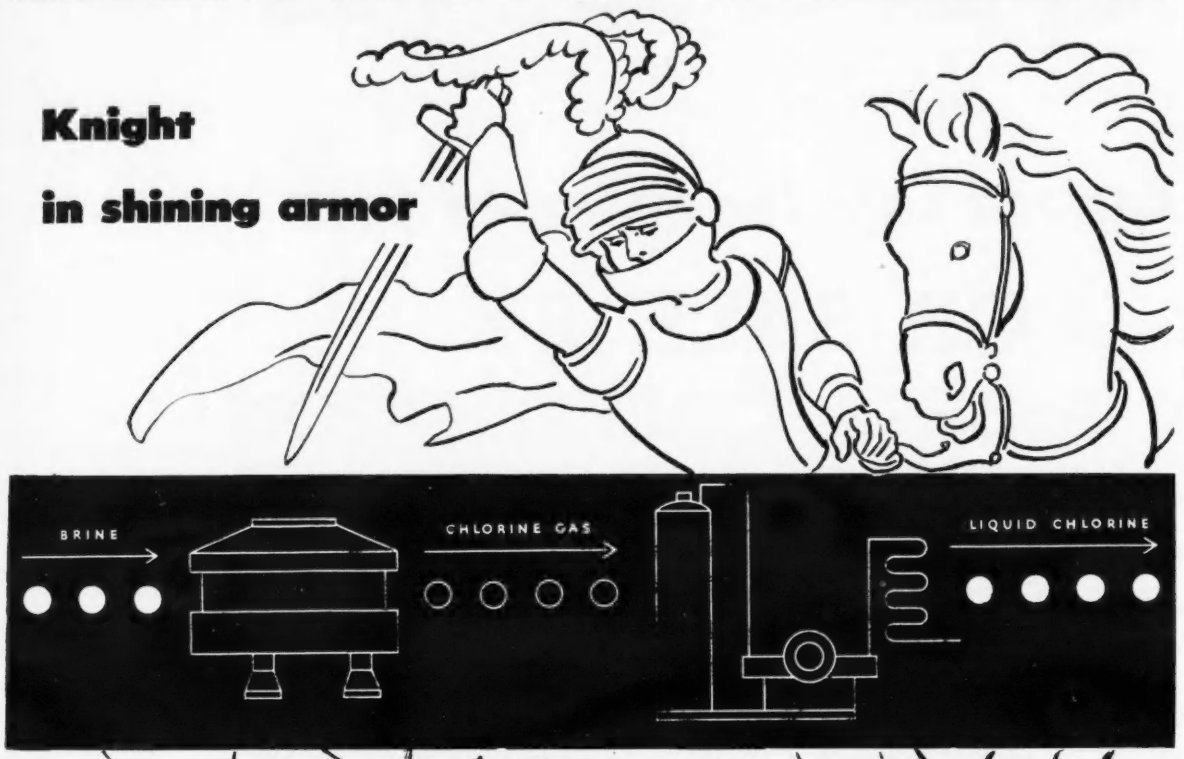
Gypsum, Keene's cement, paper bgs., c.l., Medicine Lodge, Kan., frt. equald..ton.17.00 - —
New Brighton, N.Y., frt. equald..ton.30.65 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.48 - —
Plaster of Paris, paper bgs., c.l., Acme, Texas, frt. equald. ton.12.50 - —
Blue Rapids, Kan., frt. equald..ton.10.50 - —
Harlem River, N. Y., frt. equald..ton.12.00 - —
Medicine Lodge, Kan., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Tex., frt. equald..ton.13.50 - —
Stucco, paper bgs., c.l., Acme, Texas; Akron, N. Y.; Blue Rapids, Kan.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich., Gypsum, Ohio; Harlem River, N.Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Roton, Tex.; Southard, Okla.; Sweetwater, Tex.; frt. equald..ton. 8.00 - —
Saltville, Va., frt. equald, ton. 9.00 - —
Terra alba, paper bgs., c.l., Harlem river, N. Y., works..ton.15.90 - —
New Brighton, N. Y. same basis..ton.14.40 - —

H

Hawthorn berries, bgs.....lb. .57 - .60
Heliotropin, cryst., cns.....lb. 2.75 - 4.00
Hellebore, white, powd., bbls..lb. .46 - .47
Helonias root, bls.....lb. 2.50 - 2.75
Hematine extract, cryst., No. 6, bbls., l.c.l..lb. .41 - —
No. 1, bbls., l.c.l.....lb. .40 - —
No. 1A, bbls., l.c.l.....lb. .37 - —
No. 2, bbls., l.c.l.....lb. .36 - —
No. 3, bbls., l.c.l.....lb. .34 - —
No. 4, bbls., l.c.l.....lb. .32 - —
No. 5, bbls., l.c.l.....lb. .30 - —
paste, No. 1, bbls., l.c.l.....lb. .17½- —
No. 2, bbls., l.c.l.....lb. .16½- —
No. 3, bbls., l.c.l.....lb. .15½- —
red, No. 4, bbls., l.c.l.....lb. .14½- —
Hemlock bark extract,[1,2] 25% tan, bbls., c.l., works..lb. No stocks
tanks, works.....lb. No stocks
Henbane leaves, bls.....lb. 1.00 - 1.25
Henna leaves, bls.....lb. .25 - .26
powd., bbls., bxs.....lb. .28 - .31
Heptane,[1] industrial grade, 50°-100° C., dms., c.l., Group 3, gal .13½- —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10½- —
77°-115° C, dms., c.l., Group 3, gal. .13 - —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .20 - .66
Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanone).
Hexamethylenetetramine,[1] tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C..lb. .24 - —
smaller lots, same basis..lb. .25 - —
USP, dms., 500 lbs. or more, same basis..lb. .35 - —
smaller lots, same basis..lb. .36 - —
Hexane,[1] 60°-70° C., industrial grades, dms., c.l., Group 3, gal. .13½- —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10½- .11
laboratory grade, dms., c.l., Group 3..gal. .18 - —
l.c.l., Group 3.....gal. .29 - .35
Hexanol, normal, dms., l.c.l., works..lb. .25 - —
Homatropine hydrobromide, bots. oz.15.00 -20.00
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago.... unit-ton. 5.00 - 5.50
Hops, NF, bls.....lb. .56 - 1.50
Horehound, bls.....lb. .10½- .12
Hydrangea root, bls.....lb. No prices
Hydrastine, alkaloid, bots....oz.20.00 -25.00
Hydrochloride, bots.....oz.20.00 -22.00
Sulphate, bots.....oz.29.00 -32.00
Hydrastinine, 10-gr. bots....bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., fib. cns., works..lb. .30 - .40
Hydrogen peroxide, USP, bbls. lb. .09¾- .94
100 vols., cbys., E. of Miss. River or West coast via Panama Canal..lb. .15¼- .19¼
Hydroquinone, bbls., dms.....lb. .90 - .94
Hydroxycitronellal, cns.....lb. No prices
dms., extra, ret'able, divd...lb. No prices
Hyoscine hydrobromide, bots..oz.39.00 -45.00
Hyoscyamine, bots.....oz.16.00 -20.00
Hydrobromide, bots.....oz.16.00 -20.00
Sulphate, bots.....oz.16.00 -20.00
Hypernic extract, cryst., No. 1, bbls., l.c.l..lb. .42 - —
No. 2, bbls., l.c.l.....lb. .34 - —
liquid, No. 1, bbls., l.c.l..lb. .24 - —
No. 2, bbls., l.c.l.....lb. .19 - —
solid, No. 1, bxs., l.c.l.....lb. .30 - —
Hyssop, bgs.....lb. .75 - 1.00

I

Iceland moss, bgs.....lb. .50 - .52
Ichthammol, NF, bots.....lb. 2.45 - —
Indian red (see Red, Indian).
Indigo, nat., chests.....lb. 2.14 - 2.30
synth., paste, bots.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.19.50 -22.00
Insect flowers (see Pyrethrum).
Iodine, crude, 25-lb. jars....lb. 1.67 - —
150-lb. kgs.....lb. 1.28¾- —
resubl. 5-lb. bots., jars....lb. 1.75 - 1.85
Iodoform, 100-lb. dms., kgs....lb. 3.95 - 4.10
25-lb. jars or fib. dms.....lb. 4.20 —
Ionone, ketone, bot.....lb. 6.00 - 6.50
Methyl, bot.....lb. 6.25 -12.00
Ipecac root, bgs.....lb. No prices
powd., bgs.....lb. No prices
Irish moss, ordinary, bls.....lb. .26 - .28
powd., 60-80 mesh, bbls..lb. .32 - .33
prime, bleached, bls.....lb. .30 - .35
powd., 60-80 mesh, bbls..lb. .40 - .50
Iron acetate, liquor, 8bls. c. divd..lb. .17 - —
l.c.l., divd.....lb. .18 - —
solut., USP IX, 100-lb. cbys.lb. .17 - —
50-lb. djns.....lb. .18 - —
Chloride (ferric), anhydr., tech., dms., c.l., works..100 lbs. 4.90 - 5.25
l.c.l., works.....100 lbs. 6.50 - 6.85
cryst., tech., bbls., works, frt. alld..100 lbs. 4.00 - 4.00
USP X, lump, bbls.....lb. .07 - .08¼
solut., 42 Be, cbys., works, frt. alld. or equald...lb. .05¾- .06
djns., same basis.....lb. .10 —
Citrate, USP VIII, gran., dms., lb. .70 - 75
powd., cns.....lb. .84 - .87
Glycerophosphate, bbls.....lb. 2.40 - 2.53
Hypophosphite, bbls., dms...lb. 1.50 - 1.53
Iodide, bots.....lb. 2.18 - 2.23
Naphthenate, 6% Fe, 50-gal. dms..lb. .15 - —
Nitrate, red., tech., dms....lb. .08¾- .04
Oxalate, gran., dms.....lb. .23 - .25
powd., cns.....lb. .52
kgs.....lb. .47 - .49
Phosphate, soluble, NF, gran. cns..lb. .54 - .57
Pyrophosphate, gran., cns..lb. .59 - .62
Reduced, 90%, kgs.....lb .68 - .75
Resinate, 7.4% Fe, 100-lb. dms. lb. .17¼- —
Sulphate (ferric), anhyd., bgs. c.l., works..ton.35.00 - —
l.c.l., works.....ton.40.00 - —
(ferrous) tech. (see Copperas).
USP, cryst., bbls., dms...lb. .09¾- .11
Tallate, 4% Fe, 50-gal. dms..lb. .10¾- —
Iron-ammonia citrate, brown, green, gran., pearls, dms.lb. .33 - .36
scale, dms.....lb. .40 - .43
Oxalate, bbls.....lb. .23½- —
dms., kgs.....lb. .25¼- .26¼
Iron-soda oxalate, bbls., dms..lb. .23½- .25¼
Isobornyl acetate, cns., works.lb. .80 - .95
Thiocyanoacetate, dms., c.l., works..gal. 4.35 - —
l.c.l., works.....gal. 4.45 - 4.55
tanks, works.....gal. 4.25 - —
Isobutyl acetate, dms., works.lb. No prices
Propionate, dms., works.....lb. No prices
Isoeugenol, cns., works.....lb. 3.75 - 4.35



The modern equivalent of a knight is a scientist—fighting disease instead of dragons. *Chlorine*, developed by scientists, safeguards public health in many ways. It aids in the purification of water supply . . . sterilizing of food equipment . . . treatment of effluent at sewage disposal plants. It's the base for many insecticides.

From electrolytic cells at Wyandotte Chemicals Corporation, a constant stream of chlorine gas is dried and liquefied to become the liquid chlorine of commerce.

In the manufacture of paper, chlorine is essential to the bleaching of pulp—which makes the finished product whiter and brighter. It is used in great quantities by the textile industry for the bleaching of textiles. And chemical derivatives of chlorine are useful in making plastics . . . dry-cleaning solutions . . . and anti-freeze solutions. . . .

So the part of Wyandotte in the production of chlorine is important to *both* the health and the industry of our country.

Wyandotte
REG. U. S. PAT. OFF.

OFFICES IN PRINCIPAL CITIES

WYANDOTTE CHEMICALS CORPORATION • WYANDOTTE, MICHIGAN

Soda Ash • Caustic Soda • Bicarbonate of Soda • Calcium Carbonate • Calcium Chloride • Chlorine
Hydrogen • Sodium Zincates • Aromatic Intermediates • Dry Ice • Other Organic and Inorganic Chemicals

Isopentane, dms., works	lb.	.45 -	.55
Isophorone, dms., c.l., works	lb.	.21 -	-
l.c.l., works	lb.	.22 -	-
tanks, works	lb.	.20 -	-
Isopropanol (see Alcohol, isopropyl).			
Isopropyl acetate, dms., c.l., E. of Rockies, frt. alld	lb.	.11 -	-
l.c.l. E. of Rockies, same basis	lb.	.11½-	.12
tanks, E. of Rockies, same basis	lb.	.10 -	-
Alcohol (see Alcohol, isopropyl).			
Ether, dms., c.l., divd	lb.	.06 -	-
l.c.l.	lb.	.06½-	-
tanks, divd	lb.	.04½-	-
Isopropylamine, dms., works	lb.	.25 -	-

J

Jaborandi leaves, bls	lb.	.14 -	.15
Jalap root, NF, bls	lb.	.34 -	.36
powd., bbls., bxs	lb.	.40 -	.42
Resin, lump, cns	lb.	5.85 -	-
powd., bxs	lb.	5.90 -	-
Juniper berries, dom., bgs	lb.	.40 -	.70
Juniper tar, USP, dms	lb.	.85 -	1.00

K

Kamala, cns	lb.	.53 -	.55
Kaolin (see China clay).			
Kava kava root, bls	lb.	.28 -	.30
Kerosene, at refinery. Ark., 42-44 w.w., tanks	gal.	.05 -	-
Bayonne, 41-43 w.w., tanks	gal.	.061 -	-
California, 40-43 w.w., tanks	gal.	.07 -	-
Gulf ports, 41-43 w.w., tanks	gal.	.04½-	.06
Okla-Tex., 41-43 w.w., tanks	gal.	.04875-	-
Penn., 45 w.w., tanks	gal.	.0655-	.0700
47 w.w., tanks	gal.	.0705-	-
Kola nuts, bgs	lb.	.11 -	.12
Kyanite,[1] imp., low iron content, 10-mesh, whse.	ton.	85.00	-95.00
calcined, grain, 10-mesh, whse.	ton.	95.00	-105.00

L

Ladyslipper root, bls	lb.	1.45 -	1.50
Lanolin (see Adeps lanae)			
Lard,[1,7] pure, ref., trcs., c.l.	lb.	.1547-	-
prime steam, trcs., c.l.	lb.	.1473-	-
Larkspur seed, bgs	lb.	.82 -	.87
Laurel berries, bls	lb.	.26 -	.30
Leaves, Cyprus, bls	lb.	.23½-	.28½
Greek, bls	lb.	No stocks	
Portuguese, fair, bls	lb.	.13½-	.14
good, bls	lb.	.12½-	.13
Turkish, bls	lb.	.17 -	.17½
Lavender flowers, medium, bls	lb.	75 -	80
ordinary, bls	lb.	.35 -	.43
select, bls	lb.	.90 -	.95
Lead, acetate,[1] white, broken, bbls.	lb.	.12½-	-
cryst., bbls	lb.	.12½-	-
gran., powd., bbls	lb.	.12½-	-
Arsenate,[1,6] basic powder, 3-lb. bgs. or larger, c.l.	lb.	.11¼-	.12
l.c.l.	lb.	.12 -	.12½
1-lb. ctns. c.l.	lb.	.13½-	.23¼
l.c.l.	lb.	.19 -	.23
standard paste, cns. c.l.	lb.	.05¾-	.06
l.c.l.	lb.	.06 -	.06¾
powder, 3-lb. bgs. or larger, c.l.	lb.	.11 -	.11¾
1-lb. bgs., c.l.	lb.	.16 -	.20
l.c.l.	lb.	.16½-	.20½
1-lb. ctns., c.l.	lb.	.18 -	.23
l.c.l.	lb.	.18½-	.23½
½-lb ctns., c.l.	lb.	.21 -	.26
l.c.l.	lb.	.21½-	.26½

Inside column is maximum OPA prices for manufacturers or distributors; outside column for all other purchasers. Lead arsenate prices are works or whse. basis, frt alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse pick-ups.

Blue, basic sulphate, bbls., c.l., divd E	lb.	.07½-	-
Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo	lb.	.07¾-	-
l.c.l., divd. E	lb.	.07¾-	-
Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.	lb.	.08 -	-
Carbonate (see Lead, white).			
Chloride, fib. dms.	lb.	.40 -	-
Iodide, NF V. bots	lb.	2.80 -	-
jars	lb.	2.60 -	-
Linoleate, pale, precip., bbls.	lb.	.23½-	-
Metal,[1,8] (see Protective Coatings Materials market).			
Metallic paste, dms., works	lb.	No stocks	
Naphthenate, 24%-30%, Pb	lb.	.14¼-	.17½
Nitrate, bbls	lb.	.12½-	-
Oleate, bbls	lb.	.17¾-	-
Peroxide, powd., tech., bbls.	lb.	.23 -	.29
Red, 95% Pb_3O_4 or less, bbls., c.l. (20 tons), divd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash.	lb.	.09¼-	-
other points	lb.	.09 -	-
c.l., 5 tons, divd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. Cascade Mts. in Ore and Wash.	lb.	.09¾-	-
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore and Wash.	lb.	.10¾-	-
Colo., Mont., N. Mex., Wyo.	lb.	.10 -	-
other points	lb.	.09½-	-
smaller lots, Ala., etc.	lb.	.10¼-	-
Ariz., etc.	lb.	.10¾-	-
Colo., etc.	lb.	.10½-	-
other points	lb.	.10 -	-
in oil, kgs.	lb.	.14 -	-
97% Pb_3O_4, bbls., c.l., divd. Ala., etc.	lb.	.09¼-	-
other points	lb.	.09¾-	-
l.c.l., 5 tons, divd. Ala., etc.	lb.	.10 -	-
Ariz., etc.	lb.	.10¼-	-
Colo., etc.	lb.	.10½-	-
other points	lb.	.09¾-	-
smaller lots, divd. Ala.,	lb.	.10¼	-
Ariz., etc.	lb.	.11	-
Colo., etc.	lb.	.10½	-
other points	lb.	.10¾	-
98% Pb_3O_4, bbls., c.l. (20 tons), divd., Ala., etc.	lb.	.09¼-	-
other points	lb.	.09½-	-
l.c.l., 5 tons, divd. Ala., etc.	lb.	.10¼-	-
Ariz., etc.	lb.	.10¾-	-
Colo., etc.	lb.	.10½-	-
other points	lb.	.10 -	-
Lead, red, 98% Pb_3O_4, bbls., l.c.l., smaller lots, divd Ala., etc.	lb.	.10¼-	-
Ariz., etc.	lb.	.11¼-	-
Colo., etc.	lb.	.11 -	-
other points	lb.	.10½-	-
Resinate, precip 25.5% Pb., dms.	lb.	.17½-	-
Silicate, bgs	lb.	.0730-	.0750
Soyate, 26.16% Pb., dms.	lb.	.22¾-	-
Stearate, bbls	lb.	.81 -	.89
Sulphate (see Lead, blue; Lead, white, basic sulphate).			
Tallate, 16% Pb. dms.	lb.	.09½-	-
Titanate, bgs., bbls., c.l., c.l., 5 tons, one delivery, E., frt. alld.	lb.	.11¾-	-
Pac. Cst., ex whse.	lb.	.11¾-	-
smaller lots, E. frt. alld.	lb.	.11¾-	-
Pac. Cst., ex whse.	lb.	.11¾-	-
White, basic carbonate, bbls., c.l., divd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo.	lb.	.08¼	-
divd. other points	lb.	.08¾-	-
l.c.l., divd. Ariz., etc.	lb.	.08¾-	-
other points	lb.	.09¼-	-
basic sulphate, dry, bbls., c.l., divd. Ariz., etc.	lb.	.07¼-	-
other points	lb.	.07¾-	-
l.c.l., divd. Ariz., etc.	lb.	.08 -	-
in oil, consumers, kgs	lb.	.18¼-	.18¾
painters, kgs	lb.	.13½-	.13¾
Lecithin, edible, dms., c.l.	lb.	.26¼-	-
l.c.l.	lb.	.26½-	.47
in cocoa butter, dms., c.l.	lb.	.39¼-	-
l.c.l.	lb.	.40¾-	.50
tech., dms., c.l.	lb.	.25¼-	-
l.c.l.	lb.	.26¼-	.40
Vegetable, pure, bots, 100 lbs.	lb	2.75 -	

Lemon peel, bls	lb.	.30 -	.35
Licorice extract, mass, cns	lb.	.26 -	.72
powd., bbls.	lb.	.60 -	.65
Root, Indian, bls	lb.	.12 -	.14
powder, bbls.	lb.	.18 -	.20
Russian, bls.	lb.	.12 -	.18
Spanish, bls.	lb.	.13 -	.13
Turkish, bls.	lb.	.12 -	.18
Lignin extract, tanning grade, bgs., c.l., works	lb.	.04 -	-
Lime, chemical (quicklime) lump, pebble, Adams, Mass.	ton.	8.00 -	-
Annville, Pa.	ton.	7.50 -	-
Bellefonte, Pa.	ton.	7.50 -	-
Berkeley, W. Va.	ton.	7.50 -	-
Buffalo, N. Y.	ton.	9.25 -	-
Carey, Ohio	ton.	7.00 -	-
Cedar Hollow, Pa.	ton.	8.50 -	-
Crab Orchard, Tenn.	ton.	6.90 -	-
Eagle Mountain, Va.	ton.	7.65 -	-
Farnams, Mass.	ton.	8.00 -	-
Gibsonburg, Ohio	ton.	7.50 -	-
Hannibal, Mo.	ton.	6.50 -	-
Keystone, Ala.	ton.	6.90 -	-
Knoxville, Tenn.	ton.	6.90 -	-
Limedale, Ark.	ton.	7.00 -	-
Longview, Ala.	ton.	8.90 -	-
Manistique, Mich.	ton.	8.00 -	-
Marblehead, Ohio.	ton.	7.50 -	-
Martinsburg, W. Va.	ton.	7.50 -	-
Menominee, Mich.	ton.	8.00 -	-
Mitchell, Ind.	ton.	6.50 -	-
Newala, Ala.	ton.	6.90 -	-
Ripplemead, Va.	ton.	7.65 -	-
Riverton, Va.	ton.	7.65 -	-
Rockland, Maine	ton.	8.00 -	-
Scioto, Ohio	ton.	6.50 -	-
Sherwood, Texas	ton.	6.90 -	-
Sherwood, Wisc.	ton.	8.50 -	-
Springfield, Mo.	ton.	7.00 -	-
Woodville, Ohio	ton.	7.50 -	-
York, Pa	ton.	7.50 -	-
Lime, hydrated, Adams, Mass.	ton.	9.00 -	-
Annville, Pa.	ton.	9.00 -	-
Bellefonte, Pa.	ton.	9.00 -	-
Berkeley, W. Va.	ton.	9.00 -	-
Buffalo, N. Y.	ton.	9.50 -	-
Carey, Ohio	ton.	8.50 -	-
Cedar Hollow, Pa.	ton.	10.00 -	-
Crab Orchard, Tenn.	ton.	9.65 -	-
Eagle Mountain, Va.	ton.	9.15 -	-
Farnams, Mass.	ton.	9.60 -	-
Gibsonburg, Ohio	ton.	8.50 -	-
Hannibal, Mo.	ton.	8.50 -	-
Keystone, Ala.	ton.	10.65 -	-
Knoxville, Tenn.	ton.	9.65 -	-
LeRoy, Minn.	ton.	10.00 -	-
Limedale, Ark.	ton.	9.60 -	-
Longview, Ala.	ton.	9.65 -	-
Manistique, Mich.	ton.	9.50 -	-
Marblehead, Ohio	ton.	9.50 -	-
Martinsburg, W. Va.	ton.	9.00 -	-
Menominee, Mich.	ton.		
Mitchell, Ind.	ton.	9.00 -	-
Newala, Ala.	ton.	9.65 -	-
Petoskey, Mich.	ton.	9.00 -	-
Port Island, Mich.	ton.	9.00 -	-
Rapid City, S. Dak.	ton.	12.00 -	-
Ripplemead, Va.	ton.	9.15 -	-
Rockland, Maine	ton.	9.00 -	-
Scioto, Ohio	ton.	8.00 -	-
Sherwood, Tenn.	ton.	10.65 -	-
Sherwood, Wisc.	ton.	10.00 -	-
Springfield, Mo.	ton.	9.00 -	-
Woodville, Ohio	ton.	8.50 -	-
York, Pa.	ton.	9.00 -	-
Lime, spray, paper bgs., Adams, Mass.	ton.	10.00 -	-
Annville, Pa.	ton.	10.00 -	-
Bellefonte, Pa.	ton.	10.00 -	-
Carey, Ohio	ton.	11.00 -	-
Farnams, Mass.	ton.	9.50 -	-
Gibsonburg, Ohio	ton.	10.00 -	-
Marblehead, Ohio	ton.	10.00 -	-
Rockland, Maine	ton.	10.00 -	-
Scioto, Ohio	ton.	10.00 -	-
Woodville, Ohio	ton.	10.00 -	-
York, Pa.	ton.	10.00 -	-

Compare!

	step 1	step 2
the "BICARB" way	Add "Bicarb"—caustic completely converted — hot wash safe.	NONE
the ACID way	Add acid—reaction then acid — cold wash.	Add soda ash—reaction alkaline—then wash (hot wash may now be safely used).

TIME WITH "BICARB"

TIME WITH ACID

Mathieson
CHEMICALS

THE MATHIESON ALKALI WORKS (INC.)
60 East 42nd Street, New York 17, N. Y.

Bicarbonate of Soda . . Caustic Soda . . Soda Ash
Liquid Chlorine . . . Chlorine Dioxide . . . Ammonia, Anhydrous & Aqua . . . HTH Products . . . Fused Alkali Products . . . Synthetic Salt Cake . . . Dry Ice . . . Carbonic Gas . . Sodium Chlorite Products . . Sodium Methylate

A MATHIESON DEVELOPMENT

Faster, simpler, safer than acid, bicarbonate of soda effectively removes caustic by changing it into sodium carbonate or soda ash.

Originated and commercially developed by Mathieson Research, this process offers certain definite advantages:

- acid resistant equipment not required.
- hot wash safe.
- production speeded by elimination of additional steps necessitated by acid process.
- careful chemical control unnecessary.
- no health or other hazards involved.

These advantages, plus new ones stemming from intensive research, may hold important meaning for you—may bring to light possibilities you haven't thought of.

While complete details for the utilization of this process have been evolved specifically for textiles, Mathieson Research is prepared to carry out further assignments in other fields.

For best results, consult our Technical Staff in regard to adapting this new Mathieson development to your particular operations. Write for further information.

Lime salts (see Calcium).
Lime-ammonia-nitrogen[2] 20.5% N. (see Ammonia nitrate-lime-stone).
Linalool, cns. lb. 7.75 - 7.80
Linalyl acetate, ex bois de rose, bots. lb. 8.50 - —
ex lignaloe wood, bots. lb. 7.75 - 8.40
ex petitgrain, bots. lb. 3.90 - 4.10
Linden flowers with leaves, bls. lb. .65 - .70
Linseed meal,[3,7] 34%, bulk, c.l. ton. 45.00 - —
32%, bulk, c.l. ton. 43.00 - —
Litharge, com'l, powd., bbls., c.l., dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash. lb. .06¼- —
other points. lb. .06 - —
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash. lb. .06¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash. lb. .09¼- —
Colo., Mont., N. Mex., Wyo. lb. .08 - —
other points. lb. .08½- —
smaller lots, dlvd. Ala., etc. lb. .09¾- —
Ariz., etc. lb. .09¾- —
Colo., etc. lb. .09½- —
other points. lb. .09 - —

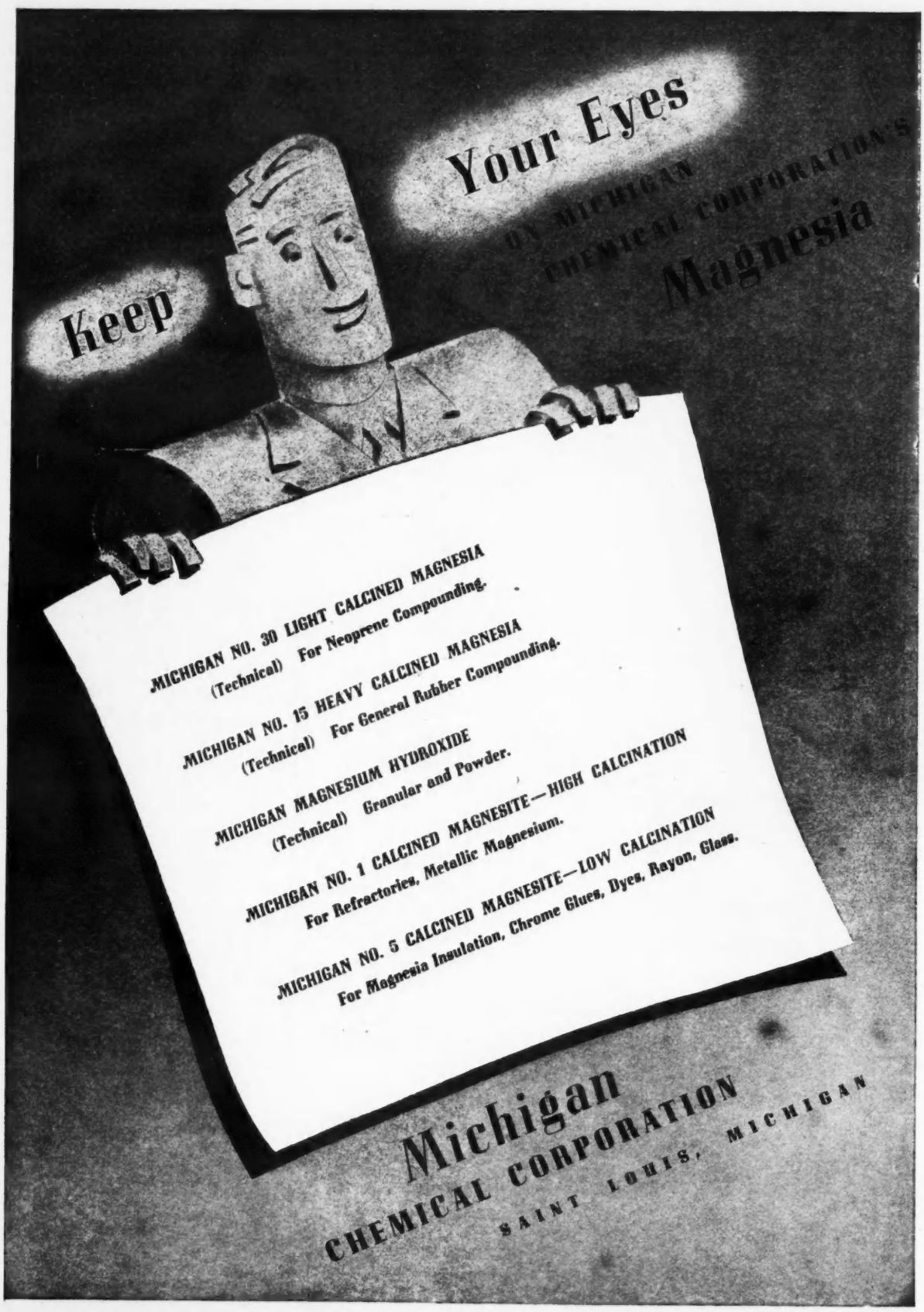
Lithium carbonate, NF, bbls., kgs. lb. 1.25 - 1.30
Bromide, bbls., 100-lb. lots, works, frt. equald. lb. 1.99 - —
smaller lots, works. lb. 1.93 - 1.98
Chloride, jars. lb. 1.65 - 1.70
Citrate, bbls., dms., kgs. lb. 1.40 - 1.41
Fluoride, bbls. lb. 2.45 - 2.66
Hydroxide, jars. lb. 1.25 - 1.46
Iodide, bots. lb. 5.20 - —
jars lb. 5.06 - —
Stearate, fib. dms., 8 tons, works. lb. .60 - —
Lithopone,[1] ordinary, bgs., c.l. (20 tons). lb. .04¼- —
l.c.l. lb. .04¾- —
bbls., c.l. lb. .04¼- —
l.c.l. lb. .04¾- —
titanated, (high-strength), bgs., c.l. lb. .0560- —
smaller lots. lb. .0585- —
bbls., c.l. lb. .0585- —
smaller lots. lb. .0610- —
Lithopone, c.l., dlvd. Pac. Cst., ¼c. higher; l.c.l., ex whse. Pac. Cst., ¼c. higher.
Liverwort leaves, bls. lb. .65 - .70
Lobelia herb, bls. lb. 1.10 - 1.15
Lobeline sulphate, bots., wks. oz. 25.50 -30.00
Logwood extract, crystals, No. 1, bbls., l.c.l. lb. .24 - —
No. 2, bbls., l.c.l. lb. .22 - —
liquid, No. 1, bbls., c.l. lb. .17 - —
No. 2, bbls., l.c.l. lb. .16 - —
No. 3, bbls., l.c.l. lb. .15½- —
No. 4, bbls., l.c.l. lb. .15 - —
solid, No. 1, bgs., l.c.l. lb. .28 - —
No. 2, bxs., l.c.l. lb. .26 - —
bbls., c.l., Zone 1. lb. .00½- —
No. 4, bxs., l.c.l. lb. .23 - —
No. 3, bxs., l.c.l. lb. .23½- —
No. 5, bxs., l.c.l. lb. .21½- —
No. 6, bxs., l.c.l. lb. .20½- .44¼

Lovage root, American (ligusticum actae folium), bls. lb. 1.20 - 1.30
Lupulin, NF, tin. lb. 12.75 -13.00
Lycopodium, USP, cs. lb. 1.75 - 2.00

M

Mace,[1,7] Amboyna, cs. lb. .77 Nom.
Banda, cs. lb. .90 Nom.
West Indian, bgs. lb. .63 Nom.
No. 1, bgs. lb. .60 Nom.
broken, bgs. lb. .55 Nom.
Madder, Dutch, bbls. lb. .24 - .30
Magnesia arsenate,[1] dms. lb. .153 - .16
Calcined, tech., USP, bbls., works. lb. .26 - —
Carbonate, tech., bgs., c.l., l.c.l., Zone 1. lb. .07½- —
bbls., c.l., Zone 1. lb. .07½- —
l.c.l., Zone 1. lb. .08½- —
kgs., c.l., Zone 1. lb. .08¾- —
l.c.l., Zone 1. lb. .09¾- —
USP, bgs., c.l., Zone 1. lb. .08 - —
l.c.l., Zone 1. lb. .09 - —
bbls., c.l., Zone 1. lb. .08½- —
l.c.l., Zone 1. lb. .09½- —
kgs., c.l., Zone 1. lb. .09¾- —
l.c.l., Zone 1. lb. .10¾- —
Magnesia carbonate prices, basis Phillipsburg, N. J., and Plymouth Meeting, Valley Forge, Pa.; l.c.l. prices ¼c. lower, Zone 2, store delivery; store door delivery, both zones, Zone 1—Conn., Del., D. C., Md., Mass., N. J., N. Y., Pa., and R. I.; Zone 2, remainder of U. S.
Chloride, anhyd., bbls., dlvd. lb. .12¾- —
flake, bbls., c.l., works. ton. 32.00 - —
l.c.l., works. ton. 39.00 -42.00
Fluoride, bbls. lb. .20 - .21
Hydroxide, medicinal, bbls., dms., kgs. lb. .20 - .30

Magnesia hypophosphite, cns. lb. 1.45 - —
Laurate, bbls. lb. .33 - .35
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works. lb. 1.00 - 1.35
Phosphate, tribasic, USP, bbls. lb. .69 - —
Silicate (see Talc).
Silicofluoride, bbls. lb. .08 - .09
Stearate, cns. lb. .31 - .33
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000-lb. contracts. lb. .37 - —
smaller lots. lb. .42 - —
Magnesite, cal., powd., bgs., c.l., mines, Calif. ton. 68.75 - —
dead-burnt,[1] bulk, c.l., f.o.b. Chewelah, Wash. ton. 22.00 -32.00
Maleic anhydride, dms., c.l. lb. .25 - —
l.c.l. lb. .26 - —
Malva flowers, black, bls. lb. No stocks
blue, bls. lb. 1.50 - 1.60
Leaves, bls. lb. .40 - .41
Manaca root, bls. lb. .50 - .51
Mandrake root, bls. lb. .33 - .34
Manganese acetate, dms. lb. .25½- —
Arsenate,[6] bgs. lb .12 - .12¼
Borate, tech., bbls. lb. .16 - .18
Carbonate, bbls. lb. .10 - —
Chloride, anhyd., bbls., wks. lb. .14 - .16
Dioxide, African, battery, 84%-87%, bbls., 28-40 tons, works. ton. 74.00 - —
smaller lots, works. ton. 77.00 -82.00
Caucasian, 85-90%, bbls., c.l., works. ton. 74.00 - —
smaller lots, works. ton. 77.00 -82.00
85-90%, burlap bgs., c.l., works. ton. 71.75 - —
l.c.l., works. ton. 74.75 -79.75
paper bgs., c.l., works. ton. 70.00 - —
l.c.l., works. ton. 73.00 - —
Glycerophosphate, bgs., bbls., 1,000-lb. lots. lb. 3.05 - —
100-lb. lots. lb. 3.15 - —
cns., 25 lbs. lb. 3.27 - —
Hydrate, bbls., dlvd. lb. .26 - —
Iodide, bots. lb. 5.70 - —
jars lb. 5.55 - —
Linoleate, liquid, 4%, dms. lb. .20 - —
solid, precip., 8.2%, bbls. lb. .22 - —
Naphthenate, 6% Mn, dms. gal. .16 - —
Resinate, fused, 3½%, bbls. lb. .09 - .10½
precip., dms. lb. .14½- .15½
Soyate, 8.2% Mn, dms. lb. .22 - —
Sulphate, anhyd., dms., works, lb. No stocks
feed grade, 77-80%, bgs. lb. .04 - .05
fertilizer grade, 65%, bgs., c.l., dlvd. East. ton. 59.50 - —
l.c.l., same basis, or Balto. or Cincinnati... ton. 68.50 - —
industrial grade, 80%, bgs. lb. .06 - .06¾
Tallate, 4% Mn, dms. lb. .09 - —
Mangrove bark,[1,8] E. Africa, 35% tannin, c.l., ex dock, U. S. ports. ton. 63.00 - —
So. American, 32% tannin, same basis. ton. 56.00 - 57.00
Manna, flake, large, cs. lb. No stocks
small, cs. lb. No stocks
Mannitol,[6] com'l, bbls., works. lb. .35 - .40
reagent, cs. or multiples, works. lb. .85 - —
Marjoram, Argentine, bls. lb. .14 Nom.
California, French type, new crop, bls., Pacific Coast. lb. .34 - .35
Chilean, bls. lb. .11 - .11½
Matico leaves, bls. lb. .22 - .24
Menadione, USP, bots. gram. .10 - —
Menthol, natural, USP, cns. lb. 5.00 - 5.25
synthetic, tech., cns. lb. No prices
USP, laevo, cns. lb. No prices
racemic, cns. lb. 4.00 - 4.25
Menthyl salicylate, tins. lb. 3.00 - 3.10
Mercurial ointment, USP, mild, 10%, tubs. lb. .70 - .73
30%, pails. lb. 1.80 - —
50%, pails. lb. 1.88 - 1.94
Mercury bichromate (see Corrosive sublimate).
Bisulphate, dms. lb. 2.59 - 2.61
Chloride (see Calomel).
Cyanide, cryst., powd. lb. 3.86 - —
Iodide, red, NF, dms., kgs. lb. 4.30 - —
yellow, fib. dms., kgs. lb. 4.38 - —
Nitrate ointment (see Citrine ointment).
Oxide, red, NF (see Red precipitate).
yellow, USP, fib. dms. lb. 2.94 - 2.96
tech. (see Yellow, mercury oxide).
Mercury and chalk, dms. lb. 1.66 - 1.76
Mesityl oxide, dms., c.l., dlvd. lb. .11½- —
l.c.l., dlvd. lb. .12 - —
tanks, dlvd. lb. .10¾- —
Metal leaf, composition, 5½x5½ in. pkg. 3.00 - —
Gold X+, deep, 23, 3⅜x3⅜ in., pkg. 15.00 - —
Silver, 3⅜x3⅜ in. pkg. 3.00 - —
Metanitroparatoluidin, bbls. lb. 1.05 - 1.10
Metaphenylenediamine, kgs. lb. .65 - —
Metatoluylenediamine, kgs. lb. .70 - —
Methanol,[1] natural, all grades, dms., c.l., E. of Miss. R. gal. .63 - —
l.c.l., same basis. gal. .73 - —
tanks, same basis. gal. .60 - —
Inside prices on natural methanol W. of Miss. R., 5c. higher.
Synthetic, dms., c.l., Zone 1, frt. alld. gal. .34 - —
2, frt. alld. or dlvd. gal. .34 - —
3, frt. alld. gal. .36 - —
4, frt. alld. gal. .36 - —
l.c.l., Zone 1, frt. alld. or dlvd. gal. .34 - —
2, frt. alld. gal. .43 - —
3, dlvd. S. F. and L. A. gal. .41 - —
4, frt. alld. or dlvd. gal. .51½- —
tanks, Zone 1, frt. alld. gal. .24 - —
2, frt. alld. gal. .27 - —
3, frt. alld. gal. .32 - —
4, frt. alld. gal. .29 - —
Synthetic methanol zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C., Tenn., Vt., Va., W. Va., and Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Angeles and San Francisco. Zone 4—Ariz., Calif. (with exception of Los Angeles and San Francisco), Ida., Mont., Nev., Ore., Utah, and Wash. Buyers in zone 4 have the option of buying at the delivered zone 4 price or at the zone 3 price, f.o.b. Los Angeles and San Francisco.
Methyl abietate, non-ret. dms., c.l., dlvd. lb. .09½- —
10 dms., dlvd. lb. .09¾- —
1-9 dms., dlvd. lb. .10¾- —
hydrogenated, non-ret. dms., c.l., dlvd. lb. .12 - .13½
10 dms. lb. .13¼- .16¾
1-9 dms. lb. .14¼- .17¾
Acetate, CP, 97-99%, dms., c.l., E. of Miss. lb. .10¼- .12
W. of Miss. lb. .11¼- .12
l.c.l., E. of Miss. lb. .11 - .14
W. of Miss. lb. .12 - .13½
tanks, E. of Miss. lb. .09¾- —
W of Miss. lb. .10¼- —



Methyl acetate, tech., dms., c.l., E. of Miss..lb. .07 - .09
W. of Miss.....lb. .08 - —
l.c.l., E. of Miss.....lb. .07½- .11
W. of Miss.....lb. .08½- .10½
tanks, E. of Miss.....lb. .06 - —
W. of Miss.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, natural, Group A, dms., incl. E. of Miss., frt. alld..gal. .68 - —
l.c.l., same basis....gal. .76 - —
tanks, same basis.....gal. .60 - —

Natural methyl acetone prices W. of Miss. R., 3c. per gal. higher.

Group B, dms., c.l., Zone 1, frt. alld..gal. .62 - —
Zone 2, same basis.gal. .65 - —
Zone 3, same basis.gal. .67 - —
Zone 4, same basis.gal. .69 - —
l.c.l., Zone 1, same basis, gal. .66 - —
Zone 2, same basis.gal. .68 - —
Zone 3, same basis.gal. .70 - —
Zone 4, same basis.gal. .73 - —
tanks, Zone 1, same basis, gal. .60 - —
Zone 2, same basis.gal. .62 - —
Zone 3, same basis.gal. .64 - —
Zone 4, same basis.gal. .64½- —

Natural methyl acetone zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Nebr., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3—Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4—Ariz., Cal., Idaho, Mont., N. Mex., Nev., Ore., Utah, Wash.

Synthetic, dms., c.l., Zone 1, gal. .51 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .53½- —
Zone 4.....gal. .54½- —
l.c.l., Zone 1.....gal. .54½- —
Zone 2.....gal. .57 - —
Zone 3.....gal. .58 - —
Zone 4.....gal. .59½- —
tanks, Zone 1.....gal. .43 - —
Zone 2.....gal. .44½- —
Zone 3.....gal. .45½- —
Zone 4.....gal. .45½- —

Synthetic methyl acetone zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo. Zone 3—Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore. and Seattle, Wash. Zone 4—Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Alcohol (see Methanol).
Anthranilate, dms.....lb. 1.80 - 1.85
bots., cns.....lb. 2.20 - 2.35
Benzoate, cns.....lb. .48 - .51
Bromide, cns.....lb. .75 - .80
cyls.....lb. .65 - .75
Chloride, refrigeration, cyls., 500 lbs. and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 499 lbs., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers..lb. .40 - —
tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —
service men and consumers..lb. .36 - .40

Methyl chloride quotations are spot or contract, ship. point; prices above are in 60, 90 and 180-lb. cylinders; 20-lb. cylinders, 10c. per pound higher.

Cinnamate, cns.....lb. 2.50 - 2.80
Formate, dms.....lb. .89 - —
Iodide, bots.....lb. 4.00 - 4.15
Lactate, dms., c.l., dlvd.....lb. No stocks
Oleate, dms., c.l.....lb. .25 - —
Salicylate,[1] dms., 500 lbs....lb. .25 - —
25-50 lbs.....lb. .27 - .28
Methylamyl ketone, cns., dms., works..lb. No stocks
Methylcellulose, special, vis. (4,000 cps.) fib. cns., 2,000 lbs. or more, frt. alld..lb. .60 - —
smaller lots, frt. alld.....lb. .65 - .70
standard vis. (15-1,500 cps.), fib. cns., 2,000 lbs. or more, frt. alld..lb. .53 - —
smaller lots, frt. alld....lb. .59 - .63
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .28 - —
Methylcyclohexanone, 98-100%, dms.. works .lb. No stocks
Methylene blue, USP, kgs. 100 lbs. 2.00 - 2.15
cns., 5 lbs.....lb. 2.25 - —
Chloride, refrig., dms., wks..lb. .16 - .20
solvent, dms., works.....lb. .13 - .15
Methylethyl ketone, dms., dlvd. lb. .09 - —
l.c.l., dlvd.....lb. .09½- —
tanks, dlvd.....lb. .08 - —
Methylhexyl ketone, dms., tech., works—lb. .60 - —
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Methylisobutyl ketone, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
Methylnaphthyl ketone, cns...lb. 3.25 - 3.75
Methylpentanediol, dms., c.l., works..lb. .16 - —
l.c.l., works.....lb. .16½- —
1 and 5-gal. cont., works..lb. .20½- .25½
tanks, works.....lb. .15 - —
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works.ton.47.50 - —
l.c.l., works.....ton.51.00 - —
roofing, 20 mesh, bgs., c.l., works..ton.32.50 -36.00
l.c.l., works.....ton.36.00 -40.00
30-31 mesh, bgs., c.l., works, ton.32.50 -36.00
l.c.l., works.....ton.37.50 -40.00
40-45 mesh, bgs., c.l., works, ton.32.50 -36.00
l.c.l., works.....ton.37.50 -40.00
80 mesh, bgs., c.l., works, ton.40.00 -42.50
l.c.l., works.....ton.44.00 -46.50
graphitic, bulk, Pa., mines, ton.80.00 - —
wet-grd., biotite, bgs., c.l., works, frt. alld. E..lb. .04½- —
l.c.l., ex whse., or frt. alld. E..lb. .05 - —
extra fine, bgs., c.l., works, frt. alld. E..lb. .04½- —
l.c.l., ex whse. or frt. alld. E..lb. .05½- —
paint or lacq., bgs., c.l., works, frt. alld. E..lb. .05½- —
l.c.l., ex whse. or frt. alld. E..lb. .06 - —

Mica, wet grd., rubber, bgs., c.l., works, frt. alld. E..lb. .05½- —
l.c.l., ex whse. or frt. alld. E..lb. .05½- —
wallpaper, bgs., c.l., works, frt. alld. E..lb. .05½- —
l.c.l., ex whse, or frt. alld. E..lb. .06 - —
white, extra fine, bgs., c.l., works, frt. alld. E..lb. .06½- —
l.c.l., ex whse. or frt. alld. E..lb. .07 - —

Mica, wet-grd., W. of Miss. R., ½c. higher; W. of Rockies, ¾c. higher.

Milk powder,[1,7] skimmed, roller, bulk, c.l..lb. .14½- —
spray, bulk, c.l.....lb. .13½- —
whole, roller, bbls., c.l.....lb. .29 - —
spray, bbls., c.l. .....lb. .30 - —
Milk sugar,[1] bbls., c.l., works.lb. .26 - —
l.c.l., workf.....lb. .26½- .27½
Mineral spirits (see Petroleum, mineral spirits)
Molasses,[1,8] blackstrap, tanks, works, Area 1..gal. .16 - —
Area 2 .....gal. .18½- —
Area 3.....ton.26.00 - —
Area 4.....ton.29.00 - —
tanks, Area 5.....ton.34.00 - —

Area 1, Fla., Ga., La., Tex.; Area 2, Mass Md., N. J., N. Y.; Area 3, Calif; Area 4 Colo., Idaho, Kan., Mont., Neb. (excepting Grand Island), S. D., Utah, Ore., Wash., Wyo.; Area 5, Ia., Md., Mich., Minn., Grand Island, Neb., Ohio, Wis.

Molybdate orange (see Orange, molybdate)
Molybdenum metal,[1,9] kgs., 99%, powd..lb. 2.60 - 3.00
Trioxide,[3,5] pure, kgs., works, basis Mo. content..lb. .95 - —
technical, kgs., works, basis Mo. content..lb. .80 - —

Monoamylamine, dms., c.l., works, basis 100%..lb. .61 - —
l.c.l., works, basis 100%, lb. .64 - —
Monochlorobenzene, dms., c.l., works..lb. .05½- —
l.c.l., works.....lb. .07 - .09
Monoethanolamine, dms., c.l., frt. alld. E..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Monoethylamine, dms., c.l., works basis 100%..lb. .17 - —
l.c.l., works, basis 100%....lb. .18 - —
tanks, 100% basis, works....lb. .15 - —
Monomethylamine, dms.....lb. .65 - —
Monomethylpara-aminophenol sulphate, dms..lb. 2.40 - 2.90
Monosodium phosphate (see Soda
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Hydrobromine, 5 ozs.....oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, bots., 5 ozs..oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., l.c.l., works, lb. .67 - —
smaller containers, works...lb. .75 - —
Mullein leaves, cns.....lb. .15 - .16
Musk, nat., Tonquin, grains, bots., oz.55.00 -60.00
synthetic, ambrette, cns., 100 lbs., or more..lb. 4.00 - 9.10
25 lbs.....lb. 4.10 - 9.16
5 lbs.....lb. 4.25 - 9.45
ketone, cns., 100 lbs. or more..lb. 4.15 - 9.25
25 lbs.....lb. 4.25 - 9.35
5 lbs.....lb. 4.40 - 9.70
xylol, dms.....lb. .85 - 1.40
25 lbs.....lb. 1.50 - 2.00
5 lbs.....lb. 1.65 - 2.90

Muskroot, bls.....lb. 2.25 - 2.30
Mustard seed, Calif., brown, bgs. lb. .14½- .15
yellow, bgs.....lb. .21 Nom.
Danish, yellow, bgs.....lb. .25½- .26
Montana, brown, bgs.....lb. .11½- .12
oriental, bgs.....lb. .11½- .12
yellow, bgs.....lb. .26 - .26½
Swedish, bgs., futures.....lb. .34 - .36½
Washington, yellow, bgs...lb. .26 Nom.
Myrobalans,[1] whole, J1, U. S. ports, ex dock..ton.55.00 -56.00
J2, same basis.....ton.50.00 -51.00

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74°, bgs., c.l., frt. equald..lb. .03 - —
bbls., c.l., same basis...lb. .031 - —
tanks, same basis.....lb. .0275- —
78°, bgs., c.l., same basis..lb. .0325- —
bbls., c.l., same basis...lb. .0325- —
tanks, same basis.....lb. .03 - —
refined, balls, flakes, bbls., wholesalers and jobbers, works..lb. .06 - —
50-lb. cs., same basis....lb. .06½- —
1-lb. pkgs., same basis...lb. .06¾- —
Neocinchophen, USP, dms.....lb. 7.00 - 7.10
Nepheline syenite,[1] glass grade, 24 mesh, bulk, Rochester, N. Y..ton.12.00 - —
pottery grade, 200 mesh, bulk, Rochester, N. Y..ton.15.50 - —
Nephelinesyenite in bgs. is $2 per ton higher than bulk.
Nerolin, crys., cns.....lb. 1.70 - 1.80
Niacin (see Acid, nicotinic).

THIOURACIL by CALCO

A new era in medicine has dawned with the introduction of a substance that controls excessive production of an internal glandular secretion by chemical means . . . THIOURACIL.

Calco has made THIOURACIL available to pharmaceutical manufacturers just as in the past it brought to this industry such exceptional chemotherapeutic agents as the sulfa drugs.

★ *Technical bulletins available*

★ *Technical service is ready to assist in application problems*

★ ★ ★

CALCO'S Bulk Pharmaceuticals

SULFADIAZINE U.S.P.
(powder or micro crystal)
. . . the Sulfa drug of choice
Sodium Sulfadiazine U.S.P.
Sulfamerazine
Sodium Sulfamerazine
Sulfanilamide U.S.P.
(powder, crystal, and micro crystal)
Sulfathiazole U.S.P.
(powder, crystal, and micro crystal)
Sodium Sulfathiazole U.S.P.
Sulfapyridine U.S.P.
Sodium Sulfapyridine
Aminoacetic Acid U.S.P.
Calcium Pantothenate (Dextro)
Choline Chloride
Choline Dihydrogen Citrate
Cinchophen N.F.
(and Sodium Salt)
Neocinchophen U.S.P.
Mandelic Acid U.S.P.
(and Calcium Salt)
Menadione U.S.P.
Methylene Blue U.S.P.
(powder or crystals)
Nicotinic Acid U.S.P.
Nicotinamide U.S.P.
Saligenin
Thiouracil
Phenothiazine N.F.
(Regular and Drench grades for Veterinary use)
Certified Colors for Pharmaceutical and Cosmetic Use

Pharmaceutical Department
Calco
REG. U. S. PAT. OFF.
CALCO CHEMICAL DIVISION
AMERICAN CYANAMID COMPANY
Bound Brook, New Jersey
Canadian Representatives
DILLONS CHEMICAL CO., LTD.
410 St. Nicholas St., Montreal
137 Wellington St. W., Toronto

Nickel, carbonate, bbls.....lb. .36 - .36½
Chloride, bbls.....lb. .18 - .20
Cyanide, bots., dms.....lb. No stocks
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13½
Nicotine sulphate, 40%, dms., 50 lbs. to dealers, frt. allowed over 96 lbs..lb. .8660- —
tins, 10 lbs.....lb. 1.015 - —
Nicotinamide, USP, dms....kilo. 11.00 -11.30
Nikethamide, bots., cbys.....lb. 9.00 -12.00
Nitercake, bulk, works.....ton. 16.00 - —
Nitrobenzene, dbl. dist., dms., c.l., lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ½ sec., 30-35 cps., bbls., works, dry weight..lb. .28 - —
5-6, 40-60 cps., same basis, lb. .27 - —
ester-soluble, ¼, ½ sec., 30-35 cps., bbls., works, dry weight..lb. .26 - —
5-6, 15-20 cps. and higher, bbls., works, dry weight, lb. .25 - —

Nitrocellulose:—Denatured alcohol used in manufacture is charged extra. Barrels extra, but returnable.

Nitroethane, dms., works.....lb. .25 - —
Nitrogen solut., tanks.....ton. 108.21 - —

Prices adjusted to ammonia sulphate basis from ports, and anhydrous ammonia basis, Hopewell, Va., bulk, works.

Nitrogenous process tankage,[1,7] bulk, works..unit-ton. 3.15 - 3.50
Sewage sludge,[1] bulk, works, unit-ton, 2.60 + .40 - 3.00 + .40
Nitromethane, dms., c.l., works, lb. .25 - —
Nitronaphthalene, bots.....lb. .24 - .25
Nitropropane 1, dms., works..lb. .25 - —
II, dms., works.....lb. .25 - —
Nutgalls,[6] Aleppo, bgs.....lb. .52 - .54
Chinese, bgs.....lb. No stocks
Nutmegs,[1,7] West Indian, No. 1, futures..lb. .34½- .34⅝
Nux vomica, bls.....lb. .10 - .11
powder, bbls., bxs.....lb. .13 - .14

O

Oakbark extract,[1,6] 25% tannin, bbls., c.l., works..lb. No stocks
Octane,[1] 100° C-140° C, industrial grade, dms., c.l., G.3..gal. .15½- —
l.c.l., G. 3.....gal. .29 - —
10 gals., G. 3.....gal. .55 - —
tanks, G. 3.....gal. .13 - —
Octanol, normal, tech., 360-lb. dms., dlvd..lb. .35 - —
Oil, almond, artificial (see Benzaldehyde).
Bitter, F.P.C., bots.....lb. 4.60 - 5.00
USP, bots.....lb. No prices
sweet, exp., dms., cns.....lb. 1.10 - 1.25
Angelica root, bots.....lb. 120.00 -140.00
Seed, bots.....lb. No stocks
Anilin (see A).
Anise, Russian, USP, cns....lb. 4.00 - —
Chinese, dms.....lb. 3.00 - 3.50
Apricot kernel, cns.....lb. .45 - .52
Avocado, cns., dms.....lb. 1.00 - 1.10
Babassu,[1,7] tanks.....lb. .1110- —
Bay, W. I., 50-55%, cns.....lb. 1.40 - 1.65
Puerto Rican, 50-55%, cns..lb. 1.58 - 1.75
Bergamot, artif., cns.....lb. 2.25 - 6.00
natural, Italian, cns.....lb. 8.00 -10.00
Birch (see Oil, sweet birch).
Birchtar, crude, cns.....lb. 5.00 - 6.00
rectified, cns.....lb. No stocks
Bois de rose, Brazil, cns.....lb. 5.00 - 5.25
Mexican (see Oil, lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cade, USP IX (see Juniper tar).
Oil, cajeput, tech., dms.....lb. 2.25 - —
redistilled, USP IX, cns....lb. 2.40 - —
Calamus, cns.....lb. 20.00 -24.00
Camphor, synthetic, white, cns. lb. .20 - .40
Cananga, native, cns.....lb. 8.00 -10.00
rectified, cns.....lb. 10.50 -12.50
Capsicum (see Capsicum, oleoresin).
Caraway, NF, cns.....lb. 8.00 -10.25
Cardamom, bots.....lb. 16.50 -22.50
Cassia, USP, cns.....lb. 8.50 -11.00
Castor,[1] blown, ret. dms., c.l. lb. .16½- —
l.c.l. .....lb. .17¼- —
cold pressed, USP, cns....lb. .17 - .19
dms., c.l.....lb. .15 - —
l.c.l. .....lb. .15¾- —
tanks .....lb. .1430- —
dehydrated, bodied, dms., c.l. lb. .1975- —
l.c.l. .....lb. .2015- —
tanks .....lb. .1935- —
unbodied, dms., c.l.....lb. .1875- —
l.c.l. .....lb. .1915- —
tanks .....lb. 1835- —
No. 3, tech., dms., c.l....lb. .14¾- —
l.c.l. .....lb. .15½- —
tanks .....lb. .14 - —
sulphonated, 50% (48% fat), dms., c.l..lb. .10 - .10¼
l.c.l. .....lb. .10½- .11
75% (63% fat), dms., c.l..lb. .12½- .12⅝
l.c.l. .....lb. .13 - .13¼
80% (68% fat), dms., c.l..lb. .12⅝- .13
l.c.l. .....lb. .13¼- .13½
Cedarleaf,[1] USP, cns., dms..lb. 2.55 - 2.65
Cedarwood, USP, cns., dms..lb. 1.00 - 1.15
Celery, bots.....lb. 16.50 -18.00
Chaulmoogra, USP, cns.....lb. .60 - .70
Chinawood (see Oil, tung).
Cinnamon bark, bots.....lb. 32.50 -45.00
leaf, dms.....lb. 1.40 - 1.85
Citronella, Ceylon, cns.....lb. 1.75 - 1.85
Clove, USP, cns.....lb. 1.50 - 1.85
Oil, coconut,[1,7] crude, Ceylon, bulk, c.i.f., N. Y..lb. .0885- —
Cochin type, bulk, c.i.f. N. Y..lb. .0935- —
Manila, bulk, c.i.f. N. Y..lb. .0835- —
ret. dms.....lb. .0885- .0965
edible, ex tax, bulk.....lb. .0965- —
Cod, Newfoundland, dms....gal. .88 - .90
tanks .....gal. .86 - —
Codliver, USP, bbls., dms..gal. 2.15 - 3.25
Coriander, bots.....lb. 22.50 -35.00
Corn,[1,7] crude, tanks, works..lb. .12¾- —
edible, dms., l.c.l.....lb. .16¼- .16⅛
tanks .....lb. .1502- —
foots, acid, 95%, tanks, dlvd. E..lb. .07¼- —
raw, 50%, tanks, dlvd. E..lb. .03⅛- —
Cottonseed,[2,7] crude, tanks, works..lb. .12½- .13⅛
foots, acid, 95%, tanks, dlvd. E..lb. .07⅜- —
raw, 50%, tanks, dlvd. E. lb. .03⅝- —
salad, l.c.l., dms.....lb. .16¾- .17
Creosote (see C).
Croton, NF, cns.....lb. No prices
Cubeb, cns.....lb. No prices
Crude (see Petroleum, crude).
Cumin, bots.....lb. 22.00 - —
Cypress, bots.....lb. 12.00 -16.00
Degras (see D).
Dilliseed, bots.....lb. 6.00 - 7.00
Dillweed, bots.....lb. 4.25 - 4.75
Dip (see D).
Erigeron, cns.....lb. 2.25 - 2.40
Eucalyptus, 80-90%, cns.....lb. 1.18 - 1.40
Fennel, sweet, cns.....lb. 3.75 - 4.50
Fir, Canada, cns.....lb. 2.50 - 2.80
Fishliver,[1] dms., less than 40,000 A units per gram... per million units. .14 - —
for each 1,000 additional A units up to 200,000 per gram. per million units. .001 - —
200,000 or more A units... per million units. .30 - —
Fuel (see Petroleum, fuel oil).
Garlic, pure, bots.....oz. 15.00 - —
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns....lb. No stocks
Bourbon, cns.....lb. 16.50 -22.00
Russian, cns.....lb. No stocks
Turkish (see Oil, palmarosa).
Ginger, dist., bots.....lb. 12.00 -14.00
Grapefruit, cns.....lb. 2.05 - 2.75
Grease, common, No. 1, bbls., c.l..lb. .14 - —
extra, No. 1, bbls., c.l.....lb. .14½- —
Winter strained, bbls., c.l..lb. .15 - —
prime, burning, bbls., c.l..lb. .16 - —
inedible, bbls., c.l.....lb. .15½- —
Guaiacwood, cns.....lb. 3.00 - 4.00
Hemlock, cns.....lb. 2.60 - —
Herring,[1] crude, tanks, Pac. coast..lb. .089 - —
Juniper, berry, dom., bots....lb. 6.50 - 8.50
Juniper tar, USP (see Juniper Tar).
Juniper wood, tech., cns....lb. .90 - 1.00
Lard oil (see Oil, grease).
Laurel, bots.....lb. No prices
Lavandin, cns.....lb. 5.25 - 8.00
Lavender flower, French, 38%-42% ester, cns..lb. 13.00 -17.00
30-32% ester.....lb. 8.50 - —
Russian, cns.....lb. 14.50 - —
spike, Spanish, pure, cns...lb. 2.65 - 3.10
tech., cns.....lb. 2.35 - 2.50
Lemon, USP, Calif., cns.....bl. 3.25 - —
Messina,[1] cns.....lb. No stocks
Terpeneless, bots.....lb. 42.00 -50.00
Lemongrass, cns., dms.....lb. 2.95 - 3.85
Lignaloe seed, Mexican, cns. lb. No stocks
wood, Mexican, cns.....lb. 4.50 - —
Brazilian (see Bois de Rose).
Lime, distilled, Mexican, cns. lb. 5.75 - 7.25
West Indian, cns.....lb. 6.60 - 7.50
expressed, West Indian, cns. lb. 14.00 -15.00
Linseed,[1,7] raw, dms., c.l....lb. .1550- —
l.c.l. .....lb. .1600- .1660
tanks .....lb. .1470- —
tankwagon .....lb. .1470- —
Boiled linseed oil, .004 higher than raw.
Linseed, replacement, dms., c.l. lb. .1400- .1550
tanks .....lb. .1320- .1470
Lubricating,[1] at refinery, ex tax, California, neutral, pale, 200-800 vis., 2¼-4 pour, tanks..gal. .07¼- .11
red, 200-900 vis., 4-6½ pour, plus tanks..gal. .07¼- .11¼
Group 3, bright stock, 150-160 vis., 0.25 pour, tanks, gal. .23 - —
neutral, 300 vis., No. 3, col., 0-10 pour, tanks. gal. .16 - —
200-300 vis., No. 3, col., 15-25 pour, tanks, gal. .15 - .16
Pa., bright stock, 145-155 vis., No. 3 color, 10-25 pour, tanks..gal. .25 - .30½
cylinder oils, 600-630 flash, tanks..gal. .16 - .17
600-650 steam, refd., tanks..gal. .15 - .15½
neutral, 70° F., No. 3 color, 150 vis., 25 pour, tanks..gal. .26 - .31
200 vis., 25 pour, tanks, gal. .28 - .33
Mace, dist., cns., dms.....lb. 4.75 - 5.25
Mandarin, Brazilian, cns....lb. 6.60 -10.00
Menhaden,[1,7] crude, tanks, Balto..lb. .0890- —
refined, alkali, dms., l.c.l..lb. .1400- —
kettle-bodied, dms., l.c.l..lb. .1500- —
light-pressed, dms., l.c.l..lb. .1300- —
tanks .....lb. .1225- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, cns....lb. 1.45 - 1.65
Seed, exp., dms., extra....lb. .14⅜- —
Neatsfoot,[1] 15°, bbls.....gal. 1.80 - 1.85
20°, bbls.....gal. 1.75 - 1.80
30°, bbls.....gal. 1.55 - 1.60
pure, bbls.....lb. .15½- .16¼
Neroli, French, bots.....lb. 230.00 -300.00
Haitian, bots.....lb. 195.00 -200.00
Oiticica,[1] liquid, dms., c.l..lb. .25¼- —
l.c.l. .....lb. .25½- —
Oleo,[1] extra, dms., Chicago..lb. .1304- —
prime, dms., Chicago.....lb. .1275- —
Olibanum, bots.....lb. 4.75 - 5.20
Olive, denat., dms.....gal. No stocks
edible,[1] Calif., 3%-½% f.f.a., dms., extra, works..gal. 4.30 - 4.60
imported, dms.....gal. No stocks
foots,[1] dom., dms., c.l....lb. .18 - —
tankcars, works.....lb. .17 - —
imp.,[1] dms., c.l., ex dock, lb. .18 - —
tankcars, ex dock....lb. .17 - —
sulphonated, 50% (40% fat), dms., c.l..lb. No stocks
l.c.l. .....lb. No stocks
80% (68% fats), dms., c.l.lb. No stocks
l.c.l. .....lb. No stocks
85% (68% fat), dms., c.l.lb. No stocks
l.c.l. .....lb. No stocks

New *Aromatic* Chemicals Developed During The Past Year

The new odor successes in the perfume and cosmetic field will be based upon these:

★ ALDEHYDE FK

Basis for Lilacs to create richer, stronger Lilac Odor.
Add up to 10% Aldehyde FK.

★ JASMINOL

Similar in odor to Alpha Amyl Cinnamic Aldehyde but softer and finer.
Stable in soaps and creams. Basis for Jasmin Odors.

★ TUBEROL

Basis for Tuberose odors and perfumes for creams, lotions etc.

★ CUIRUSAL

Powerful aldehyde useful in floral and many fancy bouquets.

★ AMBRIOL

Deep rich aroma of Ambrette Seed Oil.

★ RESEDALIA

A chemical surprisingly true to the odor of Reseda Mignonette.

★ ETHYLENE GLYCOL ACETAL OF PHENYL ACET ALDEHYDE

Softener and homogenizer for all types of Floral Odors.

★ VIOLETTONE

A Ketone basis for Violet Odors with Patchouly note.

These are a few of our recently developed products.

WRITE FOR COMPLETE LIST.

ESTABLISHED 1910 GD AROMATICS DIVISION

Aromatics Division
GENERAL DRUG COMPANY
125 Barclay St., New York 7, N. Y.
9 S. CLINTON STREET, CHICAGO 6 — 1019 ELLIOTT STREET, W. WINDSOR, ONT.

Oil, orange, sweet, dist., cs...lb. 1.25 - 1.35
expressed, USP, Brazilian, cns..lb. 1.35 - 1.65
Calif., cns.....lb. 1.60 - 2.00
Florida, cns., dms.....lb. 1.45 - 1.75
Messina, coppers.....lb. No stocks
West Indian, cns.....lb. 2.25 - 3.75
sesquiterpeneless, bots.....lb.100.00 -112.00
Origanum, Spanish, cs.....lb. 2.40 - 2.85
Palm,[1,7] Niger, dms.....lb. .0865- —
Palmarosa, cns.....lb. 7.75 - 8.00
Palmkernel,[1,7] crude, bulk, c.i.f. N.Y..lb. .0885 Nom.
Paraffin,[1] 300° flash, 100-110 vis., tanks, G.3..gal. .05¾- —
320° flash, 60-70 vis., tanks, G.3..gal. .05¼- —
350° flash, 70-80 @ 100 vis., 0/10 pour, G.3..gal. .08 - —
80-85 vis., 0/10 pour, bbls., extra, Ind. ref'y..gal. .12 - —
100-110 vis., 0/10 pour, same basis..gal. .08½- —
10/25 pour, same basis.gal. .08¼- —
Patchouli, cns.....lb. No stocks
Peanut,[1,7] bleached, deod., tanks, dlvd. E..lb. .1501- —
crude, tanks, works.....lb. .12⅞- .13⅜
foots, acid, 95%, tanks, dlvd. E..lb. .08 - —
raw, 50%, tanks, dlvd. E..lb. .04 - —
hydrogenated, tanks, dlvd. E., lb. .1573- .1575
Pennyroyal, dom., dms., cns.lb. 3.25 - 3.50
import, cns.....lb. 3.35 - 4.00
Peppermint,[1] natural, dms...lb. 6.15 - 7.00
redist., USP, dms.....lb. 6.55 -7.50
Perilla, crude, dms.....lb. No stocks
Petitgrain, Paraguay, cns., dms..lb. 2.95 - 3.30
Pimento, berry, dms.....lb. 6.85 - 8.00
leaf, cns.....lb. 3.65 - 5.75
Pine,[1] ret. dms., c.l., dlvd. E. gal. .63 - .63½
l.c.l., dlvd. E.....gal. .73 - —
tanks, works.....gal. .55 - —
Pineneedle, cns.....lb. 3.25 - 3.65
Putty, bbls., E. Segundo, Richmond, Cal..gal. .22½- —
contracts .....gal. .19½- —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .23 - —
dms., c.l., Whiting, Ind..gal. •.34 - —
Boston, Providence....gal. .25 - —
l.c.l., same basis.....gal. .27 - —

• Extra for bbls., but subject to quantity discounts, ranging from 2c. to 5c. per gallon, according to amount purchased.

Rapeseed,[1] bulk.....lb. .13 - —
Red,[1] ret. bbls., c.l., dms., d'vd. E. of Rockies..lb. .13¼- —
W. of Rockies.....lb. .14¼- —
Texas and Okla.....lb. .13¾- —
tanks, dlvd. E. of Rockies.. lb. .12½- —
W. of Rockies.....lb. .13½- —
Texas and Okla.....lb. .13 - —
double dist., ret. dms., c.l., dlvd. E. of Rockies..lb. .15⅜- —
W. of Rockies.....lb. .16⅜- —
Texas and Okla.....lb. .16⅜- —
special non-ret. dms., bbls., c.l., dlvd. E. of Rockies. lb. .16⅜- —
W. of Rockies.....lb. .17⅜- —
Texas and Okla.....lb. .17⅛- —

Red oil prices for ton lots are ½ cent per pound higher, and 1c. higher for less than ton lots.

Rose, natural, coppers.....oz 31.25 -42.00
Rosemary, Spanish, tech., cns., dms..lb. 1.20 - 1.35
USP, cns., dms.....lb. 1.50 - 1.75
Rosin, 1st rectified, dms...gal. .66 - —
2nd rectified, dms.....gal. .68 - —
3rd rectified, dms.....gal. .72 - —
Rue, bots.....lb. 4.75 - 5.25
Sage, Spanish, cns.....lb. 2.50 - 3.25
Sandalwood, NF, Mysore, cns., case lots..lb. 9.52 - —
Sardine, crude,[1,7] tanks, Pac. coast..lb. .089 - —
refined, alkali, dms., l.c.l..lb. .1400- —
kettle-bodied, dms., l.c.l..lb. .1500- —
light-pressed, dms., l.c.l..lb. .1300- —
tanks .....lb. .1225- —
Sassafras, artif., Brazilian, cns..lb. .75 - .80
natural, cns., dms.....lb. 2.00 - 2.30
Savin, cns.....lb. No stocks
Savory, cns.....lb. 8.00 - —
Seal,[1] No. 1, tanks, U.S. ports. lb. .089 - —
Sesame,[1,7] tanks.....lb. .1430- —
Shingle stain, bbls., c.l., works. gal. .2185- —
l.c.l., works.....gal. .23 - .29
tanks, works.....gal. .15 - .16
Snakeroot, Canada, cns.....lb. No stocks
Soybean,[1,7] clarified, dms....lb. .1296 -.1335
tanks .....lb. .1250- —
crude, tanks, Decatur.....lb. .1175- —
deod., Winter, tanks.....lb. .1393- —
ret. dms.....lb. .1500- .1540
foots, acid, 95%, tanks, dlvd. E..lb. .07¼- —
raw, 50%, tanks, dlvd. E..lb. .03½- —
refd., varnish, dms.....lb. .1380- .1400
tanks .....lb. .1340- .1347
Spearmint, dms.....lb. 4.00 - 4.25
Sperm, bleached, 38°, dms...lb. .1445- —
natural, 45°, dms.....lb. .1310- .1311
Spruce,[1] cns., dms.....lb. 2.55 - 2.72
Sunflower,[7] imported, refined, tanks..lb. .1438- —
semi-refined, tanks.....lb. .1430- —
Sweet birch, North, cns.....lb. 5.00 - 7.00
South, cns.....lb. 2.50 - 3.25
Tall,[1] crude, dms., c.l., works. ton.53.65 -55.00
l.c.l., works.....ton.58.65 -60.65
tanks, works.....ton.40.00 -45.00
refined, dms., c.l., works..lb. .05 - .05¼
l.c.l., works.....lb. .05¼- —
tanks, works.....lb. .04¼- —
Tallow, acidless, bbls.....lb. .14¾- —
tanks .....lb. .13⅜- —
Tansy, cns.....lb. No stocks
Tar,[1] pine, crude, dms., c.l., dlvd. E. cities..gal. .32¾- —
l.c.l., works.....gal. .29¾- —
tanks, dlvd. E. cities....gal. .27 - —
rectified, USP, bbls.....gal. .40½- —
Tar acid (see T).
Thyme, NF, red, cns.....lb. 3.20 - 3.25
white, cns.....lb. 3.50 - 3.65
Tung,[1] dms., c.l.....lb. .39 - .39½
l.c.l. .....lb. .40 - .41
tanks .....lb. .38⅜- —
Turkey red (see Oil, castor, sulphonated).
Turpentine, rectified, USP, cns., dms..lb. .25 - .29
Vetiver, Bourbon, cns.....lb.37.00 -40.00
Whale,[1] ref., natural, dms..lb. No stocks
Winter bleached, dms.....lb. No stocks
Wheat germ, dms.....gal.10.00 -13.50
White mineral, tech., 50-65 vis., dms., incl., c.l..gal. .34 - —
l.c.l. .....gal. .37 - .41
65-75 vis., dms., dms. incl., c.l..gal. .35 - —
l.c.l. .....gal. .38 - .42
USP, 80/90 vis., dms., dms. incl., c.l..gal. .37 - —
l.c.l. .....gal. .40 - .44
Oil, white mineral, USP, 125/135 vis., dms., dm. incl., c.l.. gal. .46 - —
l.c.l. .....gal. .49 - .53
145/155 vis., dms., dms. incl., c.l..gal. .48 - —
l.c.l. .....gal. .51 - .55
175/185 vis., dms., dms. incl., c.l..gal. .50 - —
l.c.l. .....gal. .53 - .57
200/210 vis., dms., dms. incl., c.l..gal. .54 - —
l.c.l. .....gal. .57 - .61
335/345 vis., dms., dms. incl., c.l..gal. .62 - —
l.c.l. .....gal. .65 - .69
55, 70 and 85 vis., non-ret. dms., San Francisco.gal. .42 - —
smaller lots, same basis. gal. .44 - .47
100 vis., non-ret. dms., 65 dms., San Francisco.gal. .51½- —
100 vis., non-ret. dms., San Francisco, smaller lots, same basis..gal. .53½- .56½
145 vis., non-ret. dms., 65 dms., San Francisco.gal. .59 - —
smaller lots, same basis gal. .61 - .64
180 vis., non-ret. dms., 65 dms., San Francisco.gal. .62½- —
smaller lots, same basis gal. .64½- .67½
340 vis., non-ret. dms., 65 dms., San Francisco.gal. .74 - —
smaller lots, same basis gal. .76 - .78
Wintergreen, natural, North, cns..lb. 5.50 -12.00
South, cns.....lb. 4.00 - 4.25

synthetic (see Methyl salicylate).

Wood (see Oil, tung).

Wormseed, cns.....lb. 5.00 - 5.35
Wormwood, cns.....lb. 4.85 -10.00

Oil, ylang-ylang, Bourbon, extra, bots..lb.18.50 -24.50
first, bots.....lb.14.50 -18.50
second, bots.....lb.11.00 -14.50
third, bots.....lb. 6.00 - 9.50
Oleostearin,[1,7] dms., Chicago..lb. .1061- —
Olivine, aggregate, c.l., mines.. ton. 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works..ton. 8.00 - —
paper bgs., c.l., works..ton. 9.50 - —
lumps, paper bgs., c.l., works.* ton. 7.00 - —
spalls, paper bgs., c.l., works.. ton. 5.00 - —
Opium gum, USP, cns., 50-lb. lots. lb.13.00 - —
25-lb. lots.....lb.13.25 - —
smaller lots.....lb.13.50 -13.65

Prices on powd. and gran. USP opium are $1.50 per pound higher.

Orange, cadmium, selenide, bbls., 100-lb. lots, works..lb. 1.50 - —
Dinitroanilin, toner[1].....lb. 1.05 - —
Molybdate,[1] bbls.....lb. .41 - —
Orthonitroanilin toner,[1] bbls., kgs., works..lb. .80 - 1.05
Persian,[1] bbls.....lb. .30 - .45
Orange mineral, American, bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .12¼- —
dlvd. Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Colo., Mont., N. M., Wyo.lb. .12½- —
other points.....lb. .12 - —
smaller lots, Ala., etc.to. .12⅝- —
Ariz., etc.....lb. .13¼- —
Colo., Mont., N. M., Wyo..lb. .13 - —
other points.....lb. .12½- —
Orange flowers, cs.....lb. .48 - .50
Orange peel, bitter, Haitian, bgs. lb. .13½- —
sweet, bls.....lb. .14 - .14½
Oregano, Mexican, curly leaf, bgs..lb. .08½- .09
flat leaf, bgs.....lb. .08¼- .09¾
Orris root, Florentine, bls.....lb. .35 - .50
Verona, bls.....lb. No stocks
Portuguese, bls.....lb. .45 - .47
Orthoamylphenol, dms., works.lb. .25 - —
Orthoanisidin, bbls.....lb. .70 - —
Orthochloranilin, dms.....lb. .60 - —
Orthochlorophenol, dms.....lb. .25 - .27
Orthocresol,[3] 30.4° C., min., M.P., dms., c.l., works..lb. .17½- .18
l.c.l., works.....lb. .18 - .18½
29° C. min., M.P., dms., c.l., works..lb. .16½- .17
l.c.l., works.....lb. .17 - .17½
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb. .07 - —
l.c.l., same basis.....lb. .08 - —
tanks, same basis.....lb. .06½- —
Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher.
Orthonitroanilin, dms.....lb. 43 - .55
Orthonitrobiphenyl, tech., grade A., dms., c.l., works.lb. .10 - —
l.c.l., works.....lb. .11 - —
grade B, dms., c.l., works.lb. .06 - —
l.c.l., works.....lb. .07 - —
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitroparachlorophenol, cns.. lb. .75 - —
Orthonitrotoluene, dms.....lb. .09 - —
Orthophenetidin, dms.....lb. .82 - —
Orthotoluidin, dms.....lb. .19 - —
Osage orange crystals, bbls....lb. .23 - —
Extract, No. 1, bbls.....lb. .11 - —
No. 2, bbls.....lb. .10 - —
Ouabaine, USP, bots.....gram. 3.00 - 4.00
Oxyquinolin sulphate, cns., 100 lbs., works..lb. 3.50 - —
small lots, works.....lb. 3.75 - 4.15

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The pre-war quality ISCO Absorption Bases will more than satisfy your specific requirements. Look at these standout features:

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Liquid — Broken — Walnut

CAUSTIC SODA
Solid — Flake 76%
Liquid 50-73%

CARBONATE OF POTASH
Calcined 99-100%
Hydrated 83-85%
Liquid 47%

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CLEVELAND GLOVERSVILLE PHILADELPHIA

P

Papain, powd., cs.	lb.	4.50	- 4.75
Papaverine, natural or synthetic, hydrochloride, NF, cns., 100-oz. lots.	oz.	7.00	- —
smaller lots.	oz.	7.05	- 7.35
Sulphate, cns.	oz.	7.10	- 7.35
Paprika,[4] Calif., sweet Caliente, ground, bgs.	lb.	.40	- .41
Chilean, bgs.	lb.	.30½	- .36½
Portuguese, bgs.	lb.	.38	- .42
Spanish, bgs.	lb.	.43	- .44½
Para-anisidin, dms., works.	lb.	.75	- —
Parachlorophenol, dms., c.l., works.	lb.	.24	- —
l.c.l., same basis.	lb.	.25	- .27
Paracresol, bbls., works.	lb.	.41	- —
Paracymene, dms., c.l., works.	lb.	.1595	- —
l.c.l., same basis.	lb.	.1645	- —
tanks, same basis.	lb.	.1545	- —
Paradichlorobenzene, dms., c.l., works.	lb.	.11	- .12
l.c.l., same basis.	lb.	.12½	- .13
Paraffin,[1] crude scale, white or yellow, 124-126 ASTM, bbls., c.l., refinery.	lb.	.04½	- —
fully ref'd slabs, loose, 117-119 ASTM, c.l., refinery.	lb.	.05	- —
120-122 ASTM, refinery.	lb.	.0520	- —
122-124 ASTM, refinery.	lb.	.0520	- —
125-127 ASTM, refinery.	lb.	.0560	- —
127-129 ASTM, refinery.	lb.	.0585	- —
128-130 ASTM, refinery.	lb.	.0585	- —
130-132 ASTM, refinery.	lb.	.0615	- —
132-134 ASTM, refinery.	lb.	.0640	- —
135-137 ASTM, refinery.	lb.	.0715	- —
140-142 ASTM, refinery.	lb.	.0810	- —
146-148 ASTM, refinery.	lb.	.1060	- —
Prices in bags 4/10c. lb. higher.			
Paraformaldehyde, dms., 1,000 lbs. or more, works.	lb.	.21	- —
smaller lots, works.	lb.	.22	- —
Paraldehyde, tech., 96%, 55 and 110-gal. dms., l.c.l., wks.	lb.	.12	- —
10-gal. dms., works.	lb.	.13	- —
USP, obys., cns.	lb.	.35	- .45
Paranitroaniline, kgs., works.	lb.	.41	- .43
Paranitrochlorobenzene, kgs., wks.	lb.	.13	- —
Paranitrophenol, kgs.	lb.	.35	- —
Paranitrotoluene, kgs., works.	lb.	.30	- —
Paraphenylenediamine, tech., kgs.	lb.	1.25	- —
Paratoluenesulphonamide, bbls.	lb.	.70	- —
Paratoluidin, bbls., works.	lb.	.48	- —
Paris green,[1] dealer, distributor, dms., kgs., c.l., works, frt. alld.	lb.	.20	- .27
l.c.l., same basis.	lb.	.22	- .28
Passion flower herb, bls.	lb.	.30	- .32
Patchouli leaves, bls.	lb.	.38	- .40
Pectin, bbls.	lb.	1.25	- —
Penicillin,[4,6] ampule, per 100,000 units.		.55	- .95
Pennyroyal leaves, bls.	lb.	.24	- .25
Pentachlorophenol, dms., works.	lb.	.20	- .25
Pentaerythritol, CP, bbls., dlvd.	lb.	.75	- —
smaller containers.	lb.	1.00	- —
tech., bbls., c.l.	lb.	.27	- —
l.c.l.	lb.	.31	- —
Pentane, 28°-38° C., industrial grade, dms., c.l., Group 3.	gal.	.11	- —
l.c.l., dms., Group 3.	gal.	.19	- —
tanks, Group 3.	gal.	.07½	- .07¾
laboratory grade, 10-gal. cns., dlvd. E.	gal.	.55	- —
dms., c.l., Group 3.	gal.	.16	- —
l.c.l., Group 3.	gal.	.29	- —
Pepper, black,[1,7] 15 tons, bgs.	lb.	.15	- .15½
50 to 100 bgs.	lb.	.15¾	- .16¼
25 to 49 bgs.	lb.	.16¼	- .16½
5 to 24 bgs.	lb.	.16½	- .17
Red, capsicum, Carolina, longs, new crop, bgs., ship't point.	lb.	No stocks	
sports, old crop, bgs.	lb.	No stocks	
Louisiana, sports, bgs.	lb.	No stocks	
long, new crop, bgs., ship't point.	lb.	No stocks	
Chillies, Mexican, bgs.	lb.	.40	- .40½
White,[1,7] bgs., 15 tons.	lb.	.23	- .23½
Peppermint, dom., USP, bls.	lb.	1.20	- 1.25
imported, USP, bls.	lb.	1.50	- 1.55
Perchloroethylene, dms., c.l., Zone 1, works, frt. alld.	lb.	.0772	- .0800
Zone 2, same basis.	lb.	.0832	- .0850
Zone 3, same basis.	lb.	.0882	- .0900
Zone 4, same basis.	lb.	.0876	- .0900
l.c.l., Zone 1, same basis.	lb.	.0882	- .0850
Zone 2, same basis.	lb.	.0832	- .0900
Zone 3, same basis.	lb.	.0932	- .0950
Zone 4, same basis.	lb.	.0926	- .0950
Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N. D., Okla., S. C., S. D.; (3), Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.			
Peru balsam, dms.	lb.	1.25	- 1.30
Petrolatum, tech., dark, bbls., c.l., Group 3.	lb.	.021	- —
golden topaz, bbls., c.l.	lb.	.032	- —
l.c.l.	lb.	.036	- —
red, veterinarian, bbls., c.l.	lb.	.024	- —
l.c.l.	lb.	.028	- —
Petrolatum, USP, amber, non-ret. dms., c.l.	lb.	.03½	- —
l.c.l.	lb.	.04½	- —
extra amber, dms., c.l.	lb.	.03¾	- —
l.c.l.	lb.	.04¾	- —
cream, c.l., dms.	lb.	.05	- —
l.c.l.	lb.	.06½	- —
white, lily, dms., c.l.	lb.	.05¾	- —
l.c.l.	lb.	.07¼	- —
snow, dms., c.l.	lb.	.06½	- —
l.c.l.	lb.	.08	- —
soft, dms., c.l.	lb.	.06½	- —
l.c.l.	lb.	.06½	- —
yellow, soft, dms., c.l.	lb.	.03½	- —
l.c.l.	lb.	.04½	- —
Petroleum, crude, bulk, at wells, California, heavy grades.	bbl.	1.03	- 1.63
Illinois	bbl.	1.47	- —
Kentucky, Union County.	bbl.	1.42	- 1.47
Louisiana-Arkansas	bbl.	.96	- 1.30
Oklahoma-Kansas	bbl.	.95	- 1.35
Pennsylvania, lower field.	bbl.	2.98	- 3.03
Texas, East	bbl.	1.35	- —
Gulf coast	bbl.	1.16	- 1.58
North, North-Central.	bbl.	1.11	- 1.35
Panhandle	bbl.	.90	- 1.32
West	bbl.	.80	- 1.22
Wyoming	bbl.	.95	- 1.35
Ether, laboratory grade, 30°-60° C, 10-gal. cns., dlvd., E.	gal.	.55	- —
dms., c.l., Group 3.	gal.	.16	- —
l.c.l., same basis.	gal.	.29	- —
35°-60° C., 10-gal., cns., dlvd., E.	gal.	.55	- —
dms., c.l., Group 3.	gal.	.16	- —
l.c.l., same basis.	gal.	.29	- —
40°-75° C, 10-gal., cns., dlvd., E.	gal.	.55	- —
dms., c.l., Group 3.	gal.	.16	- —
l.c.l., same basis.	gal.	.29	- —
40°-75° C, 10-gal., cns., dlvd., E.	gal.	.55	- —
dms., c.l., Group 3.	gal.	.16	- —
l.c.l., same basis.	gal.	.29	- —
Petroleum, fuel oil,[1] furnace, tanks, at refinery, Arkansas, No. 2.	gal.	.04½	- —
No. 3.	gal.	.04	- —
Bayonne, No. 2, tanks.	gal.	.057	- —
California, heavy	bbl.	1.25	- —
light	bbl.	1.30	- —
diesel	gal.	.04¾	- —
range	gal.	.05¾	- —
Group 3, No. 1	gal.	.04¾	- —
No. 2, straw	gal.	.04¼	- —
No. 3	gal.	.04	- —
range	gal.	.04½	- —
Kansas, No. 6	bbl.	1.23	- —
Oklahoma, No. 1, p.w.	gal.	.04¾	- —
No. 1, straw	gal.	.04¼	- —
No. 2, straw	gal.	.04¼	- —
No. 3	gal.	.04	- —
No. 6	bbl.	1.18	- —
range	gal.	.04½	- —
Pennsylvania, No. 1.	gal.	.06675	- .06925
No. 2	gal.	.0625	- .06375
No. 3	gal.	.0625	- .06375
36-40 gravity	gal.	.05¾	- .06⅛
bunker C (No. 6), tanks, Albany, N. Y.	bbl.	1.92	- —
Baltimore, Md.	bbl.	1.72	- —
Boston, Mass.	bbl.	1.765	- —
Charleston, S. C.	bbl.	1.63	- —
Fall River, Mass.	bbl.	1.735	- —
Jacksonville, Fla.	bbl.	1.63	- —
New Haven, Conn.	bbl.	1.735	- —
New York, N. Y.	bbl.	1.72	- —
Norfolk, Va.	bbl.	1.63	- —
Philadelphia, Pa.	bbl.	1.72	- —
Portland, Me.	bbl.	1.765	- —
Portsmouth, N. H.	bbl.	1.765	- —
Providence, R. I.	bbl.	1.735	- —
Savannah, Ga.	bbl.	1.63	- —
Tiverton, R. I.	bbl.	1.735	- —
Wilmington, N. C.	bbl.	1.63	- —
Lacquer diluent, California, 100 l.b.n., 200 e.p., tanks, dlvd. Los Angeles.	gal.	.11	- —
Fort Wells, Wash.	gal.	.13	- —
East Coast, N. J., N. Y., tanks, refinery.	gal.	.11½	- —
Group 3, benzol type, tanks.	gal.	.07¾	- —
toluol type, tanks.	gal.	.07¾	- —
San Francisco.	gal.	.11¾	- —
Willbridge, Ore.	gal.	.12	- —
Mineral spirits, California, San Francisco, 168-252 b.r., tanks.	gal.	10¼	- —
198-290 b.r., tanks.	gal.	.10¼	- —
246-397 b.r., tanks.	gal.	.10½	- —
312-408 b.r., tanks.	gal.	.09	- —
362-458 b.r., tanks.	gal.	.09	- —
East coast, N. J., N. Y., tanks, refinery.	gal.	.10	- —
Group 3, tanks, refinery.	gal.	.06¼	- .06½
Gulf coast, tanks.	gal.	.06¼	- —
tankwagons, Baltimore.	gal.	.1210	- —
Boston	gal.	.12	- —
Bridgeport, Conn.	gal.	.1430	- —
Buffalo	gal.	.1240	- —
Camden, N. J.	gal.	.11	- —
Chicago	gal.	.1150	- —
Detroit	gal.	.1380	- —
Hartford	gal.	.1430	- —
Kansas City, Mo.	gal.	.1280	- —
Lancaster, Pa.	gal.	.12	- —
Milwaukee	gal.	.1240	- —
Minneapolis	gal.	.1220	- —
Newark	gal.	.11	- —
New York	gal.	.11	- —
Philadelphia	gal.	.11	- —
Pittsburgh	gal.	.125	- —
Providence	gal.	.13	- —
Rochester	gal.	.1320	- —
St. Louis	gal.	.1370	- —
Syracuse	gal.	.14	- —
Washington, D. C.	gal.	.135	- —
Wilmington, Del.	gal.	.11	- —
Naphtha, cleaners, California, tanks, San Francisco.	gal.	.12	- —
East coast, N. J., N. Y., tanks, refinery.	gal.	.11	- —
Group 3, tanks, refinery.	gal.	.07½	- .07½
tankwagon, Newark.	gal.	.12	- —
Bridgeport	gal.	.1730	- —
Chicago	gal.	.1380	- —
Detroit	gal.	.15	- —
Milwaukee	gal.	.1440	- —
Minneapolis	gal.	.1420	- —
New York	gal.	.12	- —
Philadelphia	gal.	.125	- —
St. Louis	gal.	.1470	- —
high-solvency, No. 8, tanks, frt. alld. Kansas City E.	gal.	.225	- —
No. 30, tanks, same basis.	gal.	.220	- —
No. 40, tanks, same basis.	gal.	.220	- —
No. A-80, tanks, Carteret, N. J.	gal.	.21½	- —
Chicago, Cincinnati, Detroit.	gal.	.23	- —
No. B-90, tanks, all shipping points.	gal.	.24½	- —
No. F-80, tanks, Carteret, N. J.	gal.	.23	- —
V.M.&P. at refinery, California, 46.5 264 l.b.p., 380 e.p., tanks, El Segundo.	gal.	.11	- —
Richmond	gal.	.11½	- —
Willbridge, Ore., Pt. Wells, Wash.	gal.	.12	- —
54-77, 190 l.b.p., 310 e.p., Los Angeles.	gal.	.10	- —
San Francisco.	gal.	.10½	- —
Portland, Seattle.	gal.	.11	- —
Group 3, tanks.	lb.	.07¼	- .07½
Gulf Coast (dlvd. New Orleans), tanks.	gal.	.06½	- —
tankwagon, Boston.	gal.	.13	- —
Chicago	gal.	.1380	- —
Detroit	gal.	.15	- —
Milwaukee	gal.	.1540	- —
Minneapolis	gal.	.1520	- —
Newark	gal.	.125	- —
New York	gal.	.12	- —
Philadelphia	gal.	.125	- —
Pittsburgh	gal.	.12½	- —
St. Louis	gal.	.1470	- —
Solvent, rubber, at refinery, California, San Francisco	gal.	.25½	- —
East Coast, N. J., N. Y., tanks.	gal.	.11	- —
Group 3, tanks.	gal.	.07½	- .07½
Stoddard (CS 8-33), at refinery:— California (San Francisco), tanks.	gal.	.11	- —
East Coast, N. J., N. Y., tanks.	gal.	.10	- —
Group 3, tanks.	gal.	.06⅝	- —
Pennsylvania, western, tanks.	gal.	.07¼	- .07½
tankwagon, Baltimore.	gal.	.13	- —
Boston	gal.	.12	- —
Chicago	gal.	.13½	- —
Detroit	gal.	.1580	- —
Milwaukee	gal.	.1440	- —
Minneapolis	gal.	.1420	- —
Newark	gal.	.11	- —
New York	gal.	.11	- —
Philadelphia	gal.	.11	- —
Pittsburgh	gal.	.12½	- —
St. Louis	gal.	.1370	- —
Syracuse	gal.	.14	- —
Toluol, tanks, dlvd. E.	gal.	.27	- —
Xylol, tanks, dlvd. E.	gal.	.26	- —

Petroleum sulphonates, 68% sulphonic content, ret. dms., c.l., works..lb. .09½- —
l.c.l., works.....lb. .09¾- .10¾
tanks, works.....lb. .09¼- —
50% sulphonic content, ret. dms., c.l., works..lb. .09¾- —
l.c.l., works.....lb. .09¾- .10¾
tanks, works.....lb. .09¼- —
Phenobarbital, cns.....lb. 3.60 - 3.70
dms., 100 lbs.....lb. 3.50 - —
Phenol, 90-92% (cresol, 8-10%), dms., c.l., works, frt. equald., lb. .10 - —
l.c.l., same basis.....lb. .10¾- —
tanks, same basis.....lb. .00 - —
82-84% (cresol, 16-18%), dms., c.l., same basis..lb. .09¾- .10¼
l.c.l., same basis.....lb. .10½- —
tanks, same basis.....lb. .08¾- .09¼
USP, dms., c.l., same basis..lb. .10½- —
l.c.l., same basis.....lb. .11¼- —
tanks, same basis.....lb. .09½- —
Phenolphthalein, USP, bbls., dms., 2,000 lbs..lb. .85 - —
smaller lots.....lb. .87 - .92
Yellow, fib. dms., 2,000 lbs..lb. .80 - —
smaller lots.....lb. .82 - .87
Phenothiazin, NF, fib. dms., 2,000 lbs..lb. .45 - —
smaller lots.....lb. .54 - —
Phenylacetaldehyde, solution, 50%, bots..lb. 2.45 - 2.50
100%, bots.....lb. 4.00 - 5.00
Phenylethyl acetate, dms.....lb. 2.15 - 2.70
Phenylethylphenyl acetate, bots., lb. 5.35 - 7.50
Phenylhydrazin, base, CP, bots.lb. 4.55 - —
Hydrochloride, CP, bots., works. lb. 7.10 - —
commercial, kgs., works...lb. 1.75 - —
Phloroglucinol, CP, fib. dms...lb.13.75 -14.75
tech., fib. dms.....lb.12.00 -12.56
Phosgene, ton lots, works.....lb. .19 - —
Phosphate, defluorinated (see under D).
Phophate rock,[1] Fla., land pebble, unground, run-of-mine, washed, dried, 68%-66% b.p.l., bulk, car at mine, c.l..... long ton. 2.20 - —
70%-68%, same basis.. long ton. 2.60 - —
72%-70%, b.p.l., same basis..long ton. 3.20 - —
75%-74%, b.p.l., same basis..long ton. 4.20 - —
77%-76%, b.p.l., same basis..long ton. 5.20 - —
entirely pebble, 50c. per ton higher than above prices.
finely ground, 65.5% b.p.l., 30% P_2O_5 minimum.... short ton. 3.15 - —
68%, basis 31% P_2O_5 minimum..short ton. 3.35 - —
70%, basis 32% P_2O_5 minimum..short ton. 3.70 - —
Tenn., brown, unground, run-of-mine, 70-68% b.p.l., 5% l. & a., same basis..long ton. 5.30 - —
72%-70% b.p.l., 5½% l. & a., same basis..long ton. 5.80 - —
refinery, ground, 29% P_2O_5, same basis..long ton. 4.95 - —
30% P_2O_5, same basis.... long ton. 5.15 - —
31%, P_2O_5, same basis.... short ton. 5.25 - —
32%, P_2O_5, same basis.... short ton. 5.50 - —
33%, P_2O_5, same basis.... short ton. 6.00 - —
Phosphorus, red, amorphous, cs. lb. .40 - .44
tins, export.....lb. .55 - —
yellow, cns.....lb. .22 - .25
dms., c.l.....lb. .14½- —
Oxychloride, dms., c.l.....lb. .10½- —
l.c.l., dms.....lb. .12½- .15
Pentoxide, dms., c.l., works.lb. .11 - .12
l.c.l., works.....lb. .13 - .14
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, dms., c.l.....lb. .10½- —
l.c.l.....lb. .12½- .15
Phthalamide, bbls., works.....lb. .35 - .40
kgs., works.....lb. .45 - .50
Phthalic anhydride, bgs., bbls., c.l., works, frt. alld. E. of Denver..lb. .13 - —
l.c.l., same basis.....lb. .14 - —
Pichi leaves, bgs.....lb. .07 - .08
Picoline (see Alphapicoline and Betapicoline).
Picrotoxin, bots.....oz. 8.00 - —
Pilocarpine hydrochloride, USP, bots., vis..oz. 3.75 - 5.10
Nitrate, bots., vis.....oz. 3.65 - 5.00
Pimento,[2] Jamaica, bgs.....lb. .24½- .25
Pinetar, retort, dms., incl., c.l., works..gal. .31 - —
l.c.l., works, dms. incl..gal. .32 - —
tanks, divd. E.....gal. .27 - —
Pinkroot, bls.....lb. 1.10 - 1.15
Piperazine hexahydate, bots..lb.16.00 - —
Pitch, burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works..ton.19.00 - —
l.c.l., works.....ton.22.00 - —
Cottonseed, dms., works.....lb. .04 - .06
Pitch, hardwood, paper bgs., works..lb. .03½- —
Linseed, dms.....lb. .05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms.....100 lbs. 6.50 - —
stands, 200 lbs.....stand. 6.00 - —
Soybean, dms., works.....lb. .04 - .06
Plaster of paris (see Gypsum).
Podophyllin, dms.....lb.10.50 -10.70
Pokeroot, bls.....lb. .19 - .20
Polystyrene, plain colors, dms., 30,000 lbs., works, frt. alld. lb. .32 - —
20,000 lbs., frt. alld.....lb. .33 - —
smaller lots, frt. alld....lb. .34 - .36
Water-clear, polystyrene, 7c. per lb. less than plain colors.
Pomegranate, root bark, bgs..lb. .75 - .76
Poppy flowers, bls.....lb. .60 - .70
Seed, Argentine, bgs.....lb. .34 - .35
Danish, bgs.....lb. .37½- .38
Dutch.....lb. .38½- .39
Indian, white, bgs.....lb. No stocks
Swedish, bgs.....lb. .37 - .37½
Turkish, bgs.....lb. .32½- .33
Potash abietate.....lb. .08 - —
Acetate, USP, dms.....lb. .28 - —
Arsenite, USP, solut., cbys., djns..lb. .13 - .15
Bicarbonate, USP, cryst., gran., bbls., dms..lb. .10 - .21
Bichromate,[1] bgs., c.l, works. lb. .10 - —
l.c.l., works.....lb. .10¼- .10¾
Potash bichromate in bbls. ¼c. higher.
Borate, gran., bbls., N. Y. or Chi..lb. .1015- —
Bromide, USP, gran., 500-lb. bbls., dms..lb. .25 - —
100-lb. kgs.....lb. .26 - —
Carbonate, calcined, bbls., c.l., works..lb. .06½- —
l.c.l., same basis....lb. .06¾- —
hydrated, 81-85%, bbls., c.l., works..lb. .03½- —
dms., l.c.l., same basis..lb. .05¾- —
USP, gran., bbls., dms....lb. .14 - .20
powd., bbls., dms.....lb. .19 - .21

Potash, caustic, low-chloride, 90% basic, flake, dms., c.l., works..100 lbs. 9.31 - —
l.c.l., works....100 lbs. 9.68½- —
liquid, dms., c.l., works.. 100 lbs. 8.56 - —
l.c.l., works....100 lbs. 8.68½- —
tanks, works.....100 lbs. 8.06 - —
solid.....100 lbs. 8.56 - —
l.c.l., works.....100 lbs. 8.93½- —
regular, flake, 88-92%, dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .07¼- .07½
liquid, 45% basis, dms., c.l., works, frt. alld..lb. .03½- —
l.c.l., same basis.....lb. .03¾- .03½
tanks, same basis.....lb. .02¾- —
solid, 88-92%, dms., c.l., works..lb. .06¼- —
l.c.l.....lb. .06½- .06¾
Chromate, bgs.....lb. .24 - .28
Chlorate,[1] cryst., kgs., c.l., works..lb. .11 - .11¾
l.c.l., works.....lb .119 - .13
powd., dms., kgs., c.l., works. lb. .09¾- —
l.c.l., works.....lb. .119 - .13
export, 1 to 10 tons, kgs., ex whse..lb. .16 - .18
Chloride, tech., cryst., 96%, bgs., kgs..lb. .06 Nom.
Citrate, USP, gran., bbls., dms. lb. .33½- .33½
powd., 3c. per lb. higher.
Cyanide, dms., works.....lb. .55 - —
Fluoride, bbls.....lb. .34 - .40
Glycerophosphate, 75% solution, cns., cbys..lb. 1.65 - 1.67
dms., 1,000-lb. lots.....lb. 1.50 - —
100-lb. lots.....lb. 1.60 - —
Gualacolsulphonate, NF, dms. lb. 1.65 - 1.85
Hydroxide, USP, sticks, dms.lb. .34 - .36
Hypophosphite, cns.....lb. .72 - .75

Potash, iodate, bots., 5 lbs....lb. 3.40 - —
cns., 25 lbs.....lb. 3.35 - —
Iodide, bots., cns.....lb. 1.44 - 1.48
dms.....lb. 1.35 - 1.38
Manure salt, 22%, K_2O, Carlsbad, N. M..unit-ton. .28 - —
25% K_2O, same basis.unit-ton. .31 - —
Metabisulphite, gran., bbls..lb. .19 - .21
powd., bbls.....lb. .25 - —
Muriate, dom., 60-62-63% K_2O, bulk, ex-vessel, ports... unit-ton. .53½- —
granular, 50 - 52% K_2O.... unit-ton. .53½- —
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than ex vessel price, basis Trona, Cal.; 8c. per unit of K_2O less than ex vessel price at Pacific coast ports.
Nitrate (see Saltpeter).
Oxalate, neutral pure, gran., obls., dms..lb. .37 - .50
tech. fine gran., bbls., dms. lb. .28 - .31
Perchlorate, kgs., works....lb. .09¾- .11
Permanganate, tech., dms., works..lb. .19¾- .20¼
USP, dms., works.....lb. .20½- .21
Persulphate, dms., c.l., works, lb. .16 - —
l.c.l., same basis.....lb. .20 - —
Prussiate, red, kgs.....lb. .56 - .58
Yellow, bbls.....lb. .16 - .17
Ricinoleate, tech., bbls.....lb. .18 - —
Silicate, glass, bgs., c.l., works. ton.200.00 - —
l.c.l.....100 lbs.15.25 - —
solution, 29° Be, ret. drums, c.l., works..100 lbs. 4.25 - —
l.c.l., 5 or more, works. 100 lbs. 5.00 - —
1-4, works.....100 lbs. 5.50 - —

Potash silicate, solut., 32° Be, ret. dms., c.l., works.. 100 lbs. 4.75 - —
l.c.l., 5 or more, works. 100 lbs. 5.50 - —
1-4, works.....100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works..100 lbs. 5.75 - —
l.c.l., 5 or more, works. 100 lbs. 6.50 - —
1-4, works.....100 lbs. 7.00 - —
Sulphate, NF, gran.....lb. .14 - .20
powd., bbls.....lb. .15 - .21
tech., dom., bulk,[6] basis 90-95% K_2SO_4, min. 90% ex vessel Atlantic or Gulf ports..ton.36.25 - —
Sulphocyanide, cryst., N.F., dms...lb. .62 - .70
Triocyanate (see Potash sulphocyanide)
Xanthate, dms., c.l.....lb. .12 - —
Potash-gold cyanide, 41% gold, bots., works..oz.14.20 -14.95
Potash-magnesia sulphate,[6] bulk, min., 40% K_2SO_4, 18.50% MgO, ex vessel, ports...ton.26.00 - —
Potash-soda ferricyanide, kgs., works..lb. .40 - .45
Potash-titanium oxalate, bbls., dms..lb. .45 - .50
Prickly ash bark, bls.....lb. .40 - .45
Berries, bgs.....lb. .20 - .21
Prince's pine herb, bls.....lb. .50 - .65
Procaine hydrochloride, cns., 100-lb. lots..lb. 4.00 - —
smaller lots.....lb. 4.25 - 4.75
Propane,[1] industrial grade, tanks, Group 3..gal. .03¾- —
Propyleneglycol, dms., c.l., frt. alld. in E..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Psyllium seed (see Flaxseed).

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INSIDE NEWS

APRIL PREPARED BY NATIONAL CAN CORPORATION, NEW YORK, N. Y. 1946

"1068", New Insecticide, Found More Effective Than DDT Compound

Many glowing newspaper accounts have told of the successes of DDT insecticides in serving our armed forces in many climates. Here, at home, tests conducted against approximately 200 different insects indicated the development of DDT insecticides that will rid many farms and homes of destructive pests.

However, a new compound has just recently been developed which is reported to be even more effective than the well-known DDT. A result of the work by the staff of a chemical concern, the compound, $C_{10}H_5Cl_5$, is referred to as "1068". It comes in viscous form and is soluble in all proportions in most of the common organic solvents, including crude and highly refined petroleum oils.

Tested on Insects

A series of parallel tests was made with 1068 and DDT applied as aqueous dispersions to two kinds of aphids. The tests showed 1068 to be several times more toxic to these insects than DDT. Aqueous sprays of 1068 and DDT applied to potato foliage and later infested with Colorado potato beetle larvae likewise showed 1068 to be more toxic than DDT to this pest. In the form of aqueous sprays and dusts, these two compounds were applied to adult squash bugs and revealed DDT to be relatively ineffective as compared with 1068.

An additional series of tests compared the larvicidal properties of 1058, DDT and gamma benzene hexachloride as applied to *Anopheles quadrimaculatus*. (This long-named insect is a member of the mosquito family.) These tests showed that there was no significant difference in the three compounds when applied as acetone suspensions, emulsions or dusts.

The relative toxicities of 1068 and DDT to the adult housefly were also measured. 1068 was found to be slightly less than 4 times as toxic as DDT to the housefly.

The relative toxicity of 1068 and DDT to the American roach was determined by applying precisely measured dosages to the thoracic sergites. Dosage mortality curves plotted from data obtained in these tests showed 1068 to be approximately three times as toxic as DDT to this insect.

Stomach poison tests with 1068, DDT and gamma benzene hexachloride were made on the adult grasshoppers *Melanoplus differentialis*. Emulsions of xylene solutions of the active compounds were fed to the grasshopper in measured drops. Twenty-four hour mortality records indicated the median lethal dosage for gamma benzene hexachloride to be between 5 and 10 micrograms, for 1068 between 12.5 and 25 micrograms, and for DDT to be greater than 50 micrograms per gram of body weight.

Sure Protection

Insecticides, like many other products that deteriorate or lose their effectiveness when exposed to air, light and moisture, need the protection of a container that shuts these and other elements *out* of the package. The container outstandingly equipped to do such a job is the tin can produced by National Can Corporation.

Manufacturing and supplying tin cans, steel drums and pails for the chemical, cosmetic, food, drug, oil, paint and varnish fields for many years, National Can offers the experience and knowledge of its staff to help you improve your packaging procedure. Call or write the nearest National Can office or communicate direct with the executive offices at 110 East 42nd Street, New York 17, N. Y. 1246

Rutin for Fragile Capillaries

It is announced that rutin, a drug with medical values undetected for more than a century, is ready for full scale production for the first time to meet present medical needs in treating fragile and weakened capillaries.

Commercial manufacture of rutin, a bright yellow non-toxic powder, has been made possible by the discovery that the green buckwheat plant is an economical source. The search for a plant yielding rutin has been carried over the past two years, and the findings indicate that the need for rutin, including its likely use in human nutrition, may take as much as 10 percent of the prewar buckwheat acreage.

According to clinical observations, rutin is effective in the treatment of conditions arising from high blood pressure associated with increased capillary fragility. Bursting of weakened blood vessels causes small hemorrhages which may result, when the rupture occurs in the eye or brain, in blindness or apoplexy.

Research indicates also that rutin, a glucoside, may have equally unsuspected nutritional values. Further investigation of the nutritional uses is expected, but the studies point to the opinion that rutin could serve the circulatory system in a manner resembling the action of Vitamin C in the growth and hardness of teeth and bones.

Buckwheat has proved superior to the other plants that have been found to contain the drug. Flue-cured tobacco leaves offered a fair yield, while the familiar garden shrub, hydrangea "P.G.", one of many other tested sources, indicated scant possibility of commercially successful extraction. Buckwheat superseded tobacco leaves as a likely commercial source when the plant was found to contain 8 to 20 times as much rutin and to cost only a fraction of the price. 1247

Selective Chemical Spray For Canning Peas

Weeds infesting fields of late varieties of canning peas, reduce yields, reduce the efficiency of harvesting and vining operations and lower the feeding value of the ensilage. Chemical sprays are now available, it is announced, which kill or at least check such weeds as wild mustard, ragweed and lambsquarters which infect pea fields. Experiments have been in progress during the past few years to determine how to apply these chemicals without damaging the pea crops.

A report has been published on these experiments. Information is also given on the use of selective sprays of the "dinitro" compounds for the control of annual weeds, some results on the use of 2,4-D for the eradication of perennials, and a summary of recommendations for the use of these herbicides in canning pea production. 1248

Toothpowder Back in Cans

The steel-and-tin can war veterans are getting their jobs back in the toothpowder field. Released in great numbers from their supply-toting job at war fronts, toothpowder cans are ready to take up their stations on bathroom shelves and "keep the powder dry" on the home front! One national toothpowder manufacturer has recalled all wartime packages and is replacing retailers' stocks with tin containers. 1249

keep paint at its best

ADVERTISEMENT

Pulsatilla, bls.	lb.	.60 - .65	
Pumice,[1] grd., fine, bgs., ton lots.	lb.	.03½- —	
smaller lots	lb.	.03½- .04	
coarse, 0, 1, 1½, 2, 3, bgs., ton lots.	lb.	.03½- —	
smaller lots	lb.	.03½- .04¼	
Chi., ton lots	lb.	.04½- —	
Pumice in bbls. is ½c. per lb. higher.			
Pumpkin seed, bgs.	lb.	27 - .28	
Purple lake (see Red).			
Putty, com'l, dms.	100 lbs.	3.15 - —	
linseed oil, raw, dms.	100 lbs.	5.00 - —	
refined, dms.	100 lbs.	5.50 - —	
standard, dms.	100 lbs.	4.20 - —	
Pyrethrum,[1] concentrate, dewaxed, 20% for aerosol bombs, dms., works.	lb.	9.25 - 9.50	
liquid (20 to 1), basis 2 grams pyrethrins for 100 cc., dms., regular base, works.	gal.	7.15 - —	
odorless base, dms., works.	gal.	7.25 - —	
(20 to 1), basis 2 grams pyrethrins per 100 cc., bbls., works.	gal.	10.65 - —	
Flowers, fine-grd., 0.9% pyrethrins, bbls., works.	lb.	.33½- —	
powder, 0.5% pyrethrins, bbls., works.	lb.	.25 - —	
Pyridin, denaturing, ret. dms., works, frt. equald.	gal.	1.55 - 1.60	
refd., 2°, ret. dms., same basis.	lb.	.45 - .45½	
Pyrites, Spanish, c.i.f. Atl. ports.	lon ton.	8.00 -10.00	
Pyrocatechin (see Catechol).			
Pyrophyllite, standard, 200 mesh, c.l., bulk, mines.	ton.	10.00 -11.50	
325 mesh, same basis	ton.	12.00 -13.90	
Pyrophyllite, No. 3, 200 mesh, c.l., mines.	ton.	9.50 - —	
325 mesh, same basis	ton.	11.50 - —	
Pyrophyllite in paper bgs., $1.50 per ton extra.			
Pyroxylin, scrap, opaque, amber, cs., works.	lb.	.17 - —	
black, cs., works.	lb.	.17 - —	
gray, cs., works.	lb.	.17 - —	
mixed, mottled, cs., wks.	lb.	.14 - —	
white, China, ivory, cs., works.	lb.	.17 - —	
dense, cs., works.	lb.	.17 - —	
translucent, pastels, cs., works.	lb.	.17 - —	
transparent, cs., works.	lb.	.19 - —	
colors, cs., works.	lb.	.17 - —	
shavings, amber, cs., works.	lb.	.17 - —	
mixed colors, cs., works.	lb.	.14 - —	
white, cs., works.	lb.	.17 - —	

Q

Quassia chips, bls.	lb.	.08 - .09	
Quebracho extract,[1] solid, 63% tannin, bgs., c.l., ex dock, in bond.	lb.	.063125- .06525	
clarified, 64% tannin, bgs., c.l., same basis.	lb.	.068125- .070625	
dissolved, 35% tannin, bbls., works.	lb.	.04575- .0595	
tanks, works.	lb.	.04075- —	
ground, 70% tannin, bgs., c.l.	lb.	.060 - —	
l.c.l.	lb.	.0915- —	
Quebracho extract prices based on freight and $1 insurance per long ton.			$12
Queen of the meadow root, bgs.	lb.	.12 - .15	
Quercitron, crystals, bbls.	lb.	.26 - —	
extract, bbls., No. 1	lb.	.10 - —	
No. 2	lb.	.09½- —	
No. 3	lb.	.09 - —	
solid, bxs	lb.	18½- —	
Quicksilver, flasks (76 lbs. net)	flask.	104.00 -108.00	
Quince seed, bgs.	lb.	1.30 - 1.75	
Quinidine,[6] NF V, cryst., cns.	oz.	No stocks	
powd., precip., cns.	oz.	No stocks	
Sulphate, USP, cns.	oz.	No stocks	
Quinine,[6] NF, cns., 100 ozs.	oz.	No stocks	
Acetate, cns., 100 ozs.	oz.	No stocks	
Arsenate, cns., 100 ozs.	oz.	No stocks	
Asenite, cns., 100 ozs.	oz.	No stocks	
Bisulphate, USP, cns., 100 ozs.	oz.	No stocks	
Dihydrobromide, bots., 50 ozs.	oz.	No stocks	
Citrate, cns., 100 ozs.	oz.	No stocks	
Ethylcarbonate, USP, cns., 100 ozs.	oz.	No stocks	
Ferrocyanide, cns., 100 ozs.	oz.	No stocks	
Formate, cns., 100 ozs.	oz.	No stocks	
Glycerophosphate, cns., 100 ozs.	oz.	No stocks	
Hydrochloride, USP, cns., 100 ozs.	oz.	.80½- —	
Hydrochlorosulphate, cns., 100 ozs.	oz.	No stocks	
Hydroiodide, cns., 100 ozs.	oz.	No stocks	
Hypophosphite, cns., 100 ozs.	oz.	No stocks	
Phosphate, NF, cns., 100 ozs.	oz.	No stocks	
Salicylate, NF, cns., 100 ozs.	oz.	No stocks	
Sulphate, USP, cns., 100 ozs.	oz.	80½- —	
Sulphocarbolate, cns., 100 ozs.	oz.	No stocks	
Quinine tannate, USP X, cns., 100 ozs.	oz.	No stocks	
Tartrate, cns., 100 ozs.	oz.	No stocks	
Valerate, NF IV, 100 ozs.	oz.	No stocks	
Quinine-urea hydrochloride,[6] USP, cns.	oz.	No stocks	
Quinoline, dms., c.l., works.	lb.	.24½- .50	

R

R salt, dry, bbls.	lb.	.63 - —	
paste, dms.	lb.	.52 - —	
Raspberries, dried, bls.	lb.	1.75 - 1.80	
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis.	lb.	1.10 - 1.90	

Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.) (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. per lb. higher dlvd. Pacific Coast prices equaled with Chicago dlvd. Denver, Pueblo, Salt Lake City, Wichita.

Cadmium lithopone, deep shade, bbls., E. Rockies.	lb.	1.00 - —	
light shade, bbls., same basis.	lb.	.85 - —	
medium shades, bbls., same basis.	lb.	.30 - —	

Red cadmium lithopone, all shades, in smaller pgks., 5c. per lb. higher.

Orange (see Orange).

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PLANTS: NEW YORK • BOSTON • BALTIMORE • CHICAGO • HAMILTON, OHIO • FORT WAYNE, INDIANA

Pectin Creams

A new method of making centers for chocolate creams that uses a modified pectin jelly, beaten to give smoothness and light texture, may prove a boon to candy manufacturers in the present sugar shortage and also to candy eaters who must watch their calories.

The new mixture has the taste, texture and appearance of the cream centers used in the finest quality candy but requires only half as much sugar. The modified pectin which has made possible this new candy cream as well as many other new jelly products was developed in the course of research on new by-products from fruit. The chemists call it "low-methoxyl pectin". They developed it by modifying pectin from citrus peel by the action of an enzyme also in citrus peel.

Candy manufacturers are greatly interested in the new formula but must wait to put it to use until they can obtain sufficient supplies of the new pectin from plants now going into operation. 1250

Use Liquid in Cans

The dietetic importance of the liquid portions of food in cans has been determined by exhaustive experiments recently conducted. According to these findings, the liquid content of fruits and vegetables in cans has, in general, the same proportionate amount of vitamins by weight as the solid portions. The can is a miniature pressure cooker — the full nutritive value of the food is sealed in the can. 1251

Method Found For Fortifying Polished Rice

Two chemists carry the earliest work in vitamin chemistry a step farther in a patent awarded them for a method of fortifying rice while keeping it in the polished form favored by housewives. The patent covers a process of impregnating milled rice with a solution of sodium dihydrogen phosphate and thiamin. It is held that this concentrated salt solution will go into the grains thoroughly without causing the grains to crack or to develop an unpleasant opaque appearance. 1252

Technical Topics

ZEIN DISPERSION COATINGS—A patent has recently been granted for the production of zein dispersion suitable for making coatings. 1253

CROTONIC ACID — Crotonic acid and its esters, not heretofore available in commercial quantities, will be manufactured by a new process, making commercial quantities available for pharmaceuticals, perfumery insecticides and other uses for which it has been known in the laboratory. 1254

TREATING FRUITS AND VEGETABLES — According to a recent patent, a method for cleaning and disinfecting, as well as preventing decay of fruits, especially citrus fruits, and vegetables forms the basis of a soap-utilizing process. 1255

MUCILAGE — Dextran, a glairy mucilage, produced by the fermentation of cane or beet sugar by Leuconostoc mesenteriodes and similar bacteria producing lactic acid, has been found excellent for use in place of mucilaginous preparations of elmbark, flaxseed, karaya, manihot, or psyllium seed, as a deflocculator of fibers in the making of stencil-tissue paper. 1256

MITE KILLER — In recent tests, hexachlorobenzene ("666") has been found superior as a mite-killer to benzyl benzoate or tetraethylthiuriam sulphide, when used as a 1 percent solution in liquid paraffin. No skin irritation was observed. DDT, used in the same way, proved comparatively ineffective. 1257

ACTIVATED CARBON — It is reported that activated carbon has been successfully made from sugarcane bagasse by activation with zinc chloride before carbonization and proper washing afterward. 1258

SEAWEEDS FOR WATERPROOFING — Usually a neglected and largely wasted resource, the giant seaweeds of the Pacific coast supply material for an improved bitumen waterproofing material, according to a recent patent. 1259

PREVENTS PARAFFIN OXIDATION—According to a recent patent, oxidation is prevented in molten paraffin baths or hot liquid petrolatum baths by maintaining in the bath 0.02 percent to 0.04 percent of montan wax or ozokerite. Candelilla wax and Carnauba wax are said to give some similar protection. 1260

PENICILLIN IN BARBER'S ITCH OINTMENT — It is reported that penicillin has been successfully applied in the treatment of barber's itch. Penicillin is used in the proportion of 200 units per gram in an ointment base of lanette wax, 50 grams; castor oil, 50 cubic-centimeters; distilled water, 250 cubic-centimeters. 1261

CUTTING FLUID — A cutting fluid for use in the working of magnesium metal and its alloys is announced. It is a water-in-oil emulsion containing: oil, 64 percent; paraffin, 4 percent; oleic acid, 2 percent; sodium hydroxide, 0.35 percent; water, 29.65 percent. 1262

SULFA FOR DANDRUFF AND FALLING HAIR—A formula containing sulfanilamide is announced which is used with success in dissolving dandruff and preventing hair from falling out. 1263

BROMINE FOR OFFENSIVE WOUNDS — A recent report states that unpleasant odors from wounds can be prevented by the use of a dilute solution of bromine or potassium permanganate. 1264

ANTI-GERM ACTIVITY FOUND IN BUTTERCUP JUICE — According to a recent report, growth of streptococci, staphylococci, pneumonia, anthrax and tuberculosis germs and a number of other microorganisms was stopped by juice pressed from buttercup leaves, stems and blossoms, also by a distillate of the juice. It was also stated that anemone juice gave similar results. 1265

Every effort will be made to furnish additional information on these articles. Where such information is not obtainable, we will refer inquiries to the original source of the article. Write to National Can Corporation, 110 East 42nd Street, New York 17, N. Y. Please mention the number at end of article — also name of the magazine you saw it in.

NATIONAL CAN CORPORATION

SANITARY PACKERS CANS • PLAIN AND LITHOGRAPHED CANS FOR FOODS, DRUGS, OILS, PAINTS, VARNISHES • STEEL DRUMS AND PAILS

ADVERTISEMENT

Red, cadmium selenide, dark, bbls., works	lb.	2.50	—
light, same basis	lb.	2.20	—
Carmine, No. 40, dms., 100-lb. lots, works	lb.	4.60	—
smaller lots, same basis	lb.	4.75	5.25
Crocus Martis (see Red, purple oxide).			
Dyes (see Dyes, coaltar).			
Eosin toner, bbls., works	lb.	1.35	—
Firetoner, dom., bbls., works	lb.	.85	—
Indian, dom., pure, bbls., Bethlehem, Easton, E. St. Louis, N. Y.	lb.	.09½	—
80-85%, bbls., same basis	lb.	.09¾	—
imp., English, all shades	lb.	.12	—
Iron oxide, pure, bbls.	lb.	.09	.09¾
reduced, 85% copperas oxide, bbls., l.c.l., Bethlehem, Pa.; Copley, O.; Easton, Pa., and E. St. Louis	lb.	.06¾	—
80% copperas oxide, bbls., same basis	lb.	.065	.094
Lacquer, maroon, bbls., wks.	lb.	1.25	—
Lake C toner, alizarin, bbls., works	lb.	.90	—
Lithol toner, alizarin, lake, bbls., works	lb.	.60	—
Pink, bbls., works	lb.	.20	.25
Rose lake, bbls., works	lb.	.25	.28
Lithol-rubin toner, alizarin lake, bbls., works	lb.	1.10	—
Maroon, alizarin lake 25% kgs., works	lb.	.40	—
Cadmium, bbls., works	lb.	1.10	—
deep, bbls., same basis	lb.	1.20	—
Maroon, in smaller pkgs., 5c. per lb. higher.			
Red, mercury oxide, tech., bbls., 10,000 lbs., works	lb.	2.60	—
smaller lots, works	lb.	2.62	—
Metallic, bbls., works	lb.	.62	—
Oxide (see Red, iron oxide).			
Para toner, concent., alizarin lake, kgs., works	lb.	.70	—
Persian (see Orange).			
Phloxin toner (see Red, eosin toner).			
Phosphotungstic, rhodamine, Y, kgs., works	lb.	4.15	—
Purple lake, kgs.	lb.	1.00	—
Scarlet ink toner, kgs., works.	lb.	.55	Nom.
Spanish oxide, grade 1, c.l., bbls.	lb.	.04¾	.07¾
Toluidin toner, alizarin lake, kgs., works	lb.	1.05	—
MNPT maroon toner, kgs., works	lb.	3.25	—
Turkey, bbls., works	lb.	.14½	—
Tuscan, bbls., E. St. L.	lb.	.11	—
Venetian, 5%, bbls., wks.	lb.	.0220	—
10%, bbls., works	lb.	.0245	—
15%, bbls., works	lb.	.0265	—
20%, bbls., works	lb.	.02¾	—
25%, bbls., works	lb.	.03	—
30%, bbls., works	lb.	.03½	—
35%, bbls., works	lb.	.0300	—
40%, bbls., works	lb.	.04	—
Vermilion, Amer., bbls.	lb.	.25	.40
Quicksilver, bbls.	lb.	2.50	2.65
Red precipitate, NF, powd., fib. dms.	lb.	2.77	2.79
Red saunders wood grd., bbls.	lb.	.35	—
Resorcinol, tech., dms., works	lb.	.64	.74
USP cryst., dms. frt. alld.	lb.	1.60	—
Rhatany root, bgs.	lb.	.13	.14
Rhubarb, whole, cs.	lb.	.70	.71
powd., bbls.	lb.	.80	.81
Riboflavin, bots.	kilo.	200.00	—
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif., seller's option.	lb.	.79	—
Rochelle salt, gran. powd., bbls., 5,000 lbs., 1 ship't.	lb.	.38½	—
smaller lots	lb.	.39	.42
Rose flowers, pale, bls.	lb.	.44	.45
Rosemary flowers, bls.	lb.	1.55	1.65
Leaves, Portuguese, bls.	lb.	.06½	.09
Spanish, bls.	lb.	.13	.13½
Rosin, gum, X, dms., c.l., 100 lbs.		8.17	8.20¾
W.W., dms., c.l., 100 lbs.		8.17	8.20¾
W.G., dms., c.l., 100 lbs.		7.90	7.98¾
N, dms., c.l., 100 lbs.		7.63	7.69¾
M, dms., c.l., 100 lbs.		7.49	7.62¾
K, dms., c.l., 100 lbs.		7.47	7.50¾
I, dms., c.l., 100 lbs.		7.43	7.49¾
H, dms., c.l., 100 lbs.		7.43	7.49¾
G, dms., c.l., 100 lbs.		7.41	7.44¾
F, dms., c.l., 100 lbs.		7.37	7.40¾
E, dms., c.l., 100 lbs.		7.27	7.30¾
D, dms., c.l., 100 lbs.		6.74	6.77½
B, dms., c.l., 100 lbs.		6.67	6.70¾
Wood,[1] B (resin), dms., c.l., works, 100 lbs.		3.90	—
FF, dms., c.l., works, 100 lbs.		4.50	—
G, H, I, dms., c.l., works, 100 lbs.		4.95	—
K, dms., c.l., works, 100 lbs.		5.00	—
M, dms., c.l., works, 100 lbs.		5.05	—
N, dms., c.l., works, 100 lbs.		5.15	—
WG, dms., c.l., works, 100 lbs.		5.25	—
WW, X, dms., c.l., works, 100 lbs.		5.40	—
Rotenone,[1] bbls., works	lb.	10.90	13.50
extract, liq., dms., works, per unit.		1.05	—
powder (see Cube root).			
Rottenstone,[1] bgs., c.l., mines, ton.		25.50	—
l.c.l., mines	ton.	37.50	—
Rue, bls.	lb.	.45	.50

S

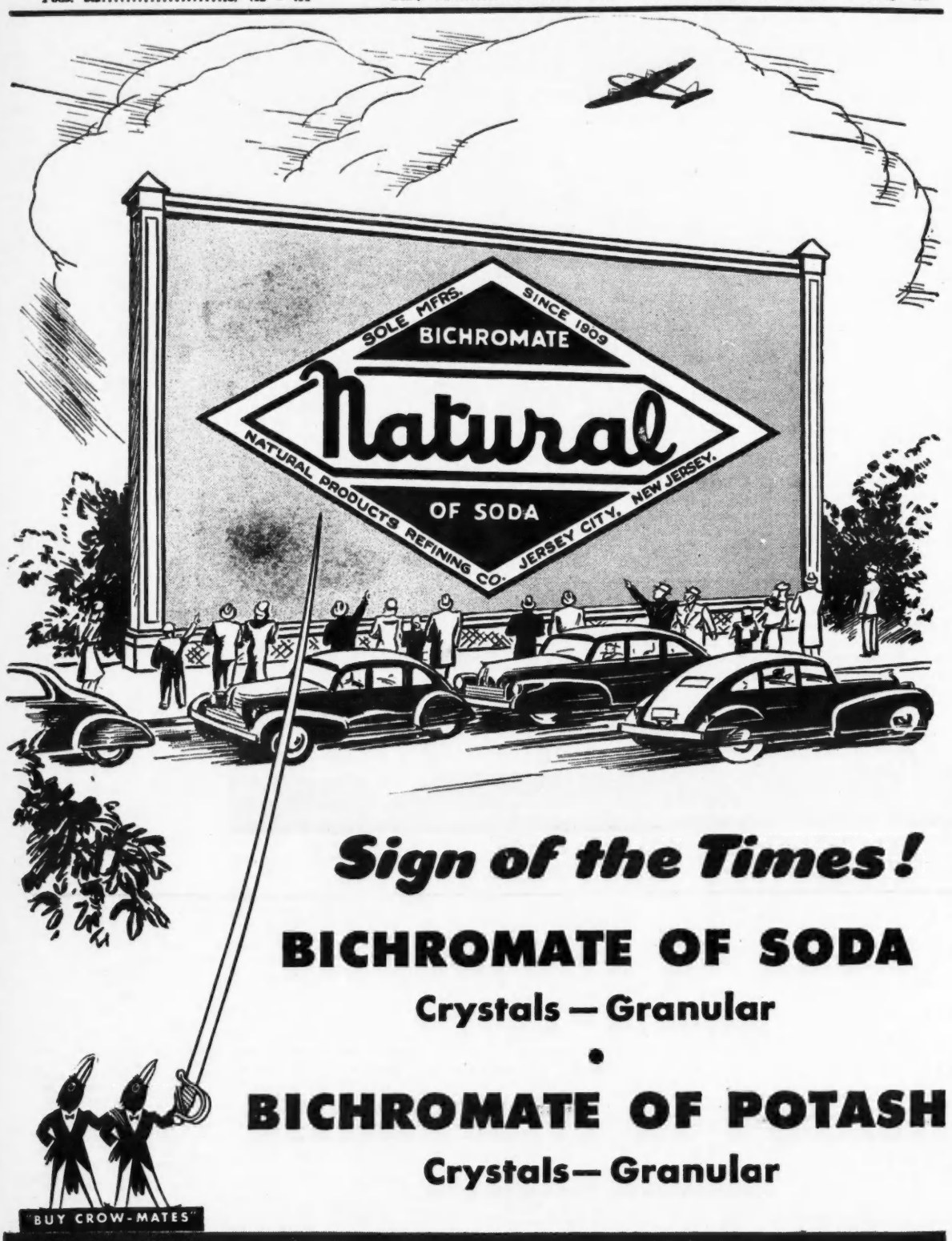
Sabadilla seed, powd., bbls.	lb.	.45	.48
Saccharin,[1] soluble and insoluble, 1,000 lbs. and up	lb.	1.30	1.35
smaller lots	lb.	1.40	1.60
Saffron, Mexican, bls.	lb.	1.60	1.65
Persian, tins	lb.	48.00	—
Spanish, NF, tins	lb.	42.00	Nom.
Safrol, cns.	lb.	.90	.99
Sage, Calif., leucophylla, bgs., Pacific coast	lb.	.30	.31
Cyprus, good, bls.	lb.	.24	.24½
fair, bls., futures	lb.	.15½	.19
Dalmatian, bls.	lb.	.34	.35
Greek, bls.	lb.	.29	.29½
Palestine, bls.	lb.	.16	.16½
Spanish, bls.	lb.	.15	.15½
Washington, Dalmatian-type, bls.	lb.	.41	.43
Sago flour, bgs.	lb.	No stocks	
Salicin, bots., 5 lbs.	lb.	No stocks	
cns., 25 lbs.	lb.	No stocks	
Saligenin, dms.	lb.	15.00	20.00
Salol, gran., bbls., kgs.	lb.	.90	—
fib. dms.	lb.	.92	.93
Powdered salol, 10c. higher.			

Salt, rock, bgs., e.l.....ton.14.20 - —
l.c.l., bgs.....ton.17.20 -18.00
vacuum, common, fine, bgs., c.l..ton.15.70 - —
l.c.l. .....ton.19.00 -20.20
Saltcake, dom., bulk, works..ton.15.00 - —
Chrome (see Chrome cake).
Saltpeter, dbl. ref., gran., bbls., 10 ton lots..100 lbs. 8.20 - —
smaller lots.....100 lbs. 8.35 - 8.60
powd., bbls., 10-20 ton lots.. 100 lbs. 9.20 - —
smaller lots.....100 lbs. 9.35 - 9.60
Sanguinarine nitrate, bots....oz. 3.75 - —
Santonin, cryst., powd., cns.kilo.170.00-185.00
Saponin, No. 1, cns.....lb. 1.75 - 1.90
No. 2, cns.....lb. 1.40 - —
Sarsaparilla root, dom., bls..lb. .45 - .50
Honduras, bls.....lb. .45 - .47
Mexican, bls.....lb. .32 - .35
Sassafras bark, crd., bls.....lb. .45 - .50
select, bls.....lb. .65 - .75
Savory, Calif., bls.....lb. .75 - .76
Spanish, bls.....lb. .22 - .22½
Saw palmetto berries, bgs....lb. .20 - .21
Scammony resin, lump, cns...lb. 1.80 - —
powd., cns.....lb. 1.35 - —
Root, bgs.....lb. .09 - .10
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .30¾- —
smaller lots.....lb. .31¼- —
kegs, 5,000 lbs., 1 shipm't..lb. .31¼- —
smaller lots.....lb. .31¾- —
Selenium, pwd., cns., 10 lb. lots.. lb. 1.35 - —
cs., 1,000 lb. lots.....lb. 1.75 - —
Senega root, bls.....lb. 2.50 - 2.60
Senna, Alex., half-leaf, bls....lb. .20 - .21
siftings, bgs.....lb. .18 - .19
Tinnevelly, No. 1, bls.....lb. .18 - .19
2, bls.....lb. .16 - .17
3, bls.....lb. .15 - .16
powd., bbls., bgs.....lb. .15 - .17
Pods, bls.....lb. .12 - .14

Serpentaria root, bls.....lb. 2.25 Nom.
Shellac,[1] bleached, bonedry, bbls., 1,000-lb. lots..lb. .42¼- —
Boston .....lb. .43¼- —
Chicago .....lb. .44 - —
Pacific coast.....lb. .46 - —
refined, bbls., 1,500-lb. lot. lb. .48½- —
Boston .....lb. .49½- —
Chicago .....lb. .50 - —
Pacific coast.....lb. .52 - —
Bonedry shellac sales of less than 1,500 lbs., at following additions to maximum prices: (1) packed in bgs., ¾c. per lb.; (2) bbls., 1c. more; (3) kgs., 3c. more.
D. C., V.S.O., Diamond I, 100 bgs..lb. .4600- —
Garnet, 100 bgs.....lb. .5800- —
Superfine, 100 bgs., Boston, N. Y..lb. .3600- —
Chicago .....lb. .3710- —
Pacific coast.....lb. .3920- —
TN, 100 bgs., Boston, N. Y.lb. .3550- —
Chicago .....lb. .3600- —
Pacific coast.....lb. .3805- —
Shellac in cs., 2c. higher. [2]Shellac sales 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 2c. more; 10 to 99 bgs., cs., 1c. more.
Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works.. ton.17.00 - —
l.c.l., works.....ton.20.09 - —
400 mesh, bgs., c.l., works.. ton.18.00 - —
l.c.l., works.....ton.19.00 -30.00
wet-grd., 325 mesh, bgs., c.l., works..ton.18.00 - —
l.c.l., same basis....ton.21.00 - —
400 mesh, bgs., c.l., works. ton.30.60 - —
l.c.l., works.....ton.33.00 -38.00

Silica, amorph., wet-grd., 96%-98%, 325 mesh, bgs., c.l., wks..ton.20.00 - —
l.c.l., works.....ton.21.50 -23.00
99%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.22.00 -25.00
hard-quarts, 95¼%, 325 mesh, bgs., c.l., works.....ton.15.50 - —
l.c.l., works.....ton.18.50 - —
140 mesh, bgs., c.l., works, ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silicon tetrachloride, tech., dms., c.l., works..lb. .15¼- —
l.c.l., works.....lb. .16½- .27
Silver bullion.....oz. .71111- —
Cyanide, cns., 100 ozs.....oz. .41½- —
Nitrate, cns., 100 ozs., bots., 2,500-oz. lots..oz. .47 - —
1,000-oz. lots.....oz. .47¾- —
smaller lots.....oz. .47½- .47¾
Neucleinate, USP, bots., dms.. oz. .308 - .388
Proteinate, USP, bots., dms.oz. .288 - .336
Simarubra bark, bls.....lb. .55 - .60
Skullcap, Eastern, bls.....lb. .60 - .65
Western, bls.....lb. .30 - .35
Skunk cabbage root, bls.....lb. .45 - .50
Slate flour, bgs., c.l., works..ton.11.00 -12.00
l.c.l., works.....ton.12.00 -13.00
Sloe berries, bgs.....lb. .40 - .41
Smalt, black, ctns.....lb. .05 - .06
Blue, ctns.....lb. .07 - .08½
Snakeroot, Canada, bls.....lb. .65 - .70
Soapbark, bls.....lb. .29 - .30
crushed, bls., bbls.....lb. .34 - .35
cut, dom., bls., bbls.....lb. .34 - .35
imp., bbls.....lb. No stocks
powd., bbls.....lb. .32 - .33
Soda acetate, anhyd., dms., dlvd. lb. .08¼- .10
NF, cryst., bbls., kgs.....lb. .14 - .16
tech., 60%, l.c.l., dlvd.....lb. .05½- .06

Soda alginate, refined, water-soluble, bbls., works.....lb. .79 - —
semi-refined, bbls., works..lb. .42 - —
white, powd., dms.....lb. 1.50 - 1.60
Aluminate, for water treat., bgs., c.l., works..100 lbs. 7.50 - —
l.c.l., works.....100 lbs. 8.40 - —
other uses, bgs., c.l., works.. 100 lbs. 7.00 - —
l.c.l. .....100 lbs. 7.50 - 8.00
Antimoniate, bbls., dlvd.....lb. .16 - .16½
Arsenate, dms., dealers, c.l., works..lb. .09¾- —
l.c.l., works.....lb. .10¾- .11¼
gray, dms., dealers, c.l., works..lb. .06¾- —
Soda arsenate, gray, dms., dealers, l.c.l., works.....lb. .09 - .10
Soda arsenite, gray, ¾c. higher in Chi.; 2c. higher in Houston, Tex., and Palo Alto, Calif.
Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.15 - —
l.c.l., dlvd., zone 1.... 100 lbs. 2.18 - —
2 .....100 lbs. 2.33 - —
3 .....100 lbs. 2.58 - —
4 .....100 lbs. 2.96 - —
bbls., c.l., wrks, Zone 1.. 100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 1.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works...100 lbs. .96 - —
extra light, 58%, bgs., c.l.. 100 lbs. 1.18 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.92 - —
bbls., c.l., works..100 lbs. 1.45 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works.. 100 lbs. 1.06 - 1.18
l.c.l., dlvd., zone 1..... 100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.92 - —
bbls., c.l., works...100 lbs. 1.06 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —
Soda ash sales zones are:—(1) All States E. of Miss. R. and N. of south bound. of Ky. and Va.; also Ala., La., and Miss., S. of 31°, Tex. E. of 100°, S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 92° Gts.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 92°, Kans., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.
Benzoate, tech., bbls., 2 tons or more..lb. .39 - —
smaller lots.....lb. .40 - .41
USP, dms., 2 tons or more.lb. .46 - —
smaller lots.....lb. .47 - .53
Bicarbonate, tech., bgs., c.l., works..100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.90 - —
USP, gran., bgs., c.l., works. 100 lbs. 2.10 - —
l.c.l. .....100 lbs. 2.45 - —
Bichromate,[1] bgs., c.l., works, lb. .07½- —
l.c.l., works.....lb. .07¾- .08¼
Soda bichromate, in bbls., ½c. higher.
Bifluoride, bbls., c.l., frt. alld. lb. .11½- —
l.c.l., same basis.....lb. .12 - .14
kgs., same basis.....lb. .13½- .14
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solut., 32°, bbls., c.l., works, 100 lbs. 1.30 - —
l.c.l., works.....100 lbs. 1.55 - —
30° bbls., c.l., works..100 lbs. 1.35 - —
l.c.l., works.....100 lbs. 1.60 - —
35°, bbls., c.l., works.100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - —
40°, bbls., c.l., works.100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs., works..lb. 25 - —
fiber dms., 100 lbs., works, lb. .26 - —
Cacodylate, bots., dms.....lb. 8.50 -10.50
Carbonate (see Soda ash, Soda monohydrate Soda sal).
Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1, dlvd.100 lbs. 3.55 - —
2, dlvd.....100 lbs. 3.70 - 5.65
3, dlvd.....100 lbs. 3.95 - 5.90
4, dlvd.....100 lbs. 4.35 - 5.70
liquid, 47-49%, buyer's tanks, works..100 lbs. 1.92½- —
seller's tanks, works, 100 lbs. 1.95 - —
70%, buyer's tanks, works, 100 lbs. 1.97½- —
seller's tanks, works, 100 lbs. 2.00 - —
solid, 76%, dms., c.l., works. 100 lbs. 2.30 - —
l.c.l., zone 1, dlvd..100 lbs. 3.15 - —
2, dlvd.....100 lbs. 3.30 - —
3, dlvd.....100 lbs. 3.55 - —
4, dlvd.....100 lbs. 3.95 - —
Caustic soda zones are same as soda ash.
Chlorate cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., kgs., c.l., works....lb. .06½- —
l.c.l., works.....lb. .07 - .08¼
Chloride (see Salt).
Chromate,[1] bbls., cks., c.l., works, frt. equald..lb. .09¼- —
l.c.l., works, frt. equal..lb. .09½- .09¾
Soda chromate in bgs. is ½c. less.
Citrate, USP VIII, bbls.....lb. .18½- —
dms. .....lb. .19½- .22½
USP XII, gran., bbls.....lb. .24 - —
dms. .....lb. .25 - .29
powd., bbls.....lb. .24½- —
dms. .....lb. .25½- .29½
Cyanide, 96-98%, dms.....lb. .14½- .15
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09½- .10½
anhydrous, dms., dlvd.....lb. .12½- —
Fluoride, white, 90%, bbls., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
95%, bbls., c.l., works....lb. .07½- —
l.c.l., works.....lb. .08½- —
Soda fluoride prices at Los Angeles are f.a.s. works.



Sign of the Times!

BICHROMATE OF SODA

Crystals — Granular

•

BICHROMATE OF POTASH

Crystals — Granular

NATURAL PRODUCTS REFINING CO.

904 GARFIELD AVE., JERSEY CITY 5, N. J.

Soda formate, bgs., c.l., works. lb. .0655- —
l.c.l., works..... lb. .069 - —
Glutamate, monobasic, kgs..lb. 1.04 - 1.06
Glycerophosphate, NF, crys., bbls..100 lbs. 1.25 - —
dms. ..... lb. 1.40 - —
powder, 5c. higher.
solution, 50%, cbys., cns...lb. .82 - .90
Hydrosulphite, dms., c.l., frt. alld..lb. .10¼- —
l.c.l., frt. alld..... lb. .13 - —
Hydroxide, USP, sticks, dms.lb. .24 - .25
tech. (see Soda caustic).
Hypophosphite, NF, cns.....lb. .67 - .70
Hyposulphite, crys., bgs., c.l., works, frt. equald..100 lbs. 2.25 - —
l.c.l., same basis...100 lbs. 2.50 - —
pea, cryst., bgs., c.l., works.. 100 lbs. 2.60 - —
Soda, hyposulphite, crystals, in bbls., 20c. higher; pea crystals, dms., 50c. higher.
USP, cryst., bbls..... lb. .10 - .12
Iodate, dms., jars..... lb. 5.40 - 5.48
Iodide, bots..... lb. 2.53 - 2.57
dms., jars..... lb. 2.42 - —
Mandelate, dms..... lb. 3.25 - 3.35
Metaborate, gran., bbls., c.l., divd..lb. .0485- —
l.c.l., N. Y., or Chi....lb. .051 - —
bgs., c.l., divd..... lb. .0485- —
l.c.l., N. Y., or Chi....lb. .046 - —
Metanilate, bgs..... lb. .40 - —
Metasilicate, anhyd., dms., c.l., works, frt. equald.... 100 lbs. 4.00 - —
l.c.l., same basis...100 lbs. 4.90 - 5.00
gran., bbls., c.l., works, frt. equald..100 lbs. 2.50 - —
l.c.l., divd.....100 lbs. 3.30 - 3.35
Methylate, bots., works..... lb. 1.00 - —
cns., works..... lb. .55 - .60
dms., works..... lb. .45 - .60
Molybdate[1], anhyd., kgs., works, lb. .47 - —
Monohydrate, bgs., c.l..100 lbs. 2.90 - —
works .....100 lbs. 2.45 - —
Naphthionate, bbls..... lb. .50 - —
Nitrate, crude, dms., 100-lb. bgs., c.l., works..ton.30.05 - —
bulk, c.l., works.....ton.27.00 - —
refd, gran., bbls., 10 tons.. 100 lbs. 3.60 - —
smaller lots.....100 lbs. 3.75 - 4.00
imp., 100-lb. bgs., c.l., Atl., Gulf, Pac. whse..ton.33.00 - —
200-lb. bgs., same basis. ton.32.40 - —
bulk, same basis.....ton.30.00 - —
Nitrite, 96-98%, bbls., c.l., works, frt. equald..lb. .06¾- —
west coast ports..100 lbs. 3.00 - 3.05
l.c.l., divd.....100 lbs. 3.90 -11.90
Orthosilicate, anhyd., dms., c.l., works, frt. equald. 100 lbs. 4.50 - —
l.c.l., same basis..100 lbs. 5.45 - 5.50
flake, dms., c.l., works.100 lbs. 3.10 - —
l.c.l., divd.....100 lbs. 4.30 - 4.55
Oxalate, neut., bgs., works..lb. .10 - —
Pantothenate, dextrorotary, 100-gram bots..per gram. .10 - —
Pentachlorophenate, briquets, bgs., works, frt. equald..lb. .17 - .18
powd., bgs., c.l., works, frt. equald..lb. .16 - .16¼
l.c.l., works, frt. equald.lb. .17 - —
kgs., l.c.l., works, frt. equald..lb. .19 - —
Perborate, NF, bbls., c.l., wks. lb. .14¾- —
l.c.l., works..... lb. .15½- —
Peroxide, dms., c.l., divd. E. of Miss..lb. .14 - —
smaller lots..... lb. .17 - —
Phosphate, dibasic, tech., anhyd., bgs., c.l., works, 100 lbs. 6.00 - 6.26
l.c.l., works....100 lbs. 6.40 - 6.75
cryst., bgs., c.l., works.. 100 lbs. 2.55 - 2.70
l.c.l., works....100 lbs. 2.95 - 3.45
USP XII, dried, bbls., dms., works..lb. .159 - —
monobasic, anhydrous, bgs., c.l., works..100 lbs. 7.25 - 8.25
l.c.l., works.....100 lbs. 7.65 - 9.00
tribasic, anhydrous, bgs., c.l., works, frt. equald.... 100 lbs. 6.00 - 6.95
l.c.l., same basis.100 lbs. 6.50 - 7.00
cryst., bgs., c.l., works.... 100 lbs. 2.70 - —
l.c.l., same basis..100 lbs. 3.10 - —
kgs., c.l., works...100 lbs. 3.40 - —
l.c.l., works....100 lbs. 3.80 - —
Soda phosphate m bbls. 20c. higher.
USP (see Sodium phosphate, dibasic).
Prussiate, yellow, bgs.....lb. .10¾- —
bbls. .....lb. .11 - —
Pyrophosphate, ferric, dms., 10,000 lbs., works..lb. .22 - —
smaller lots, works.....lb. .23½- —
tetra-basic, anhydrous, bgs., c.l., works, frt. equald.. 100 lbs. 5.25 - —
l.c.l., same basis.100 lbs. 5.40 - 5.75
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs.....100 lbs. 1.35 - —
works .....100 lbs. 1.10 - —
bbls. .....100 lbs. 1.40 - —
works .....100 lbs. 1.20 - —
Salicylate, dms.....lb. .52 - .54
Sesquicarbonate, bgs., c.l., wks. 100 lbs. 1.50 - —
bbls., c.l., works.....100 lbs. 1.70 - —
l.c.l., zone 1, divd....100 lbs. 2.70 - —
2, divd.....100 lbs. 2.85 - —
3, divd.....100 lbs. 3.10 - —
4, divd.....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. price zones are same as those for soda ash.
Sesquisilicate, dms., c.l., works. 100 lbs. 3.05 - —
l.c.l., divd.....100 lbs. 4.05 - 4.30
Silicate, 40°, turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., works.....100 lbs. 1.05 - 1.20
tanks, works.....ton.12.00 - —
52°, turbid, dms., c.l., works, 100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - 1.80
tanks, works.....ton.25.00 - —
Silicofluoride, bbls., c.l., works. lb. .06¾- .07
l.c.l., works..... lb. .07 - .07½
Stannate, dms., works, frt. alld. E..lb. .32½- .36½
Stearate, bbls., works.....lb. .19 - .24
Sulphate, NF, dried, powd., bbls..lb. .07 - .07¼
tech., anhyd., bgs., c.l., wks. 100 lbs. 1.70 - —
l.c.l., works.....100 lbs. 1.95 - 2.20
cryst. (see Glauber's salt).
USP, cryst., gran., bbls....lb. .07 - .10
Sulphide, crys., bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., divd.....100 lbs. 2.90 - 3.15
solid, bbls., c.l., works.100 lbs. 3.15 - —
l.c.l., divd.....100 lbs. 3.65 - 3.90
Sulphite, cryst., bgs., c.l., works..100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.35 - —
bbls., c.l., works.....100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.55 - —
powd., bbls., c.l., works.... 100 lbs. 5.25 - —
l.c.l., works.....100 lbs. 5.50 - 6.00

Sulphocarbolate, USP IX, gran., bbls., dms..lb. .28 - .33
powd., bbls.....lb. .30 - .35
Sulphocyanide, CP, dms.....lb. .55 - .65
Sulphohydrate, liquid, 38%, dms., c.l., works, 100% basis. lb. .06 - —
l.c.l., works..... lb. .08 - —
88%, tanks, 100% basis, works..lb. .08¾- —
flake, 70-72%, dms., c.l., works..lb. .04½- —
l.c.l., works..... lb. .05 - —
Sulphoricinoleate, bbls.....lb. .12 - —
Thiocyante (see Soda, sulphocyanide).
Thiosulphate (see Soda hyposulphite).
Tungstate,[1,6] tech., kgs.....lb. 1.35 - 1.50
Soda-cinchophen, bots., dms...lb. 3.75 - 3.85
Soda-formaldehyde sulphoxalate, stand. cont. 125-250 lbs...lb. .19 - .22
Soda-sulphadiazin, USP, dms..lb.10.50 -10.60
Soda-sulphamerazin, dms.....lb.10.50 -10.60
Soda-sulphapyridine, powd., bots., dms..lb. 5.00 - 5.30
Soda-sulphathiazole, USP, dms., lb. 2.50 - 2.80
Solvent naphtha, dms., wks..gal. .31 - —
tanks, E. of Omaha, frt. alld. gal. .26 - —
Minnequa, Colo.....gal. .28 - —
high-flash, dms., works...gal. .32 - —
tanks, frt. alld. E. of Omaha to 2c. per gal..gal. .27 - —
wire enamel, ret. dms., c.l., frt. equalized..gal. .27 - —
l.c.l., same basis....gal. .35 - —
tanks, works.....gal. .22 - —
Soybean meal,[1,7] 41%, bulk, c.l., Decatur..ton.45.00 - —
Protein, alpha, bgs., 40,000 lbs., works..lb. .20 - —
20,000 lbs., works.....lb. .20¼- —
smaller lots, works.....lb. .20½- .24

Soda sulphocarbolate, USP IX, gran., bbls., dms..lb. .28 - .33
l.c.l., works..... lb. .17¾- —
Sparteine sulphate, bots., cns..oz. 2.25 - 2.95
Spearmint leaves, bls.....lb. .48 - .49
Spikenard root, bls.....lb. .43 - .55
Spruce extract, liq., reg., bbls., c.l., works..lb. .02½- —
tanks, works.....lb. .01½- —
pwd., super, bgs., c.l., wks.lb. .04½- —
Squaw vine, bls.....lb. .53 - .55
Squill, red, fortified, powd., bbls., bxs..lb. 1.60 - —
White, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .16 - .20
St. Ignatius beans, bgs.....lb. No stocks
St. John's bread, edible, bls...lb. .10¾- .11¼
Starch, corn, pearl, bgs..100 lbs. 4.06 - —
Chicago .....100 lbs. 3.82 - —
powd., bgs.....100 lbs. 4.19 - —
Chicago .....100 lbs. 3.83 - —
Potato, bgs., c.l.....lb. .0637- —
l.c.l. .....lb. .0712- —
Rice, bgs., c.l.....lb. No stocks
Sweetpotato, bgs.....lb. No stocks
Wheat, thick boil, bgs.....lb. .05 - —
Starch, iodide, bots.....lb. 1.87 - —
Stearin, oleo (see Oleostearin).
Stillingia root, bls.....lb. No stocks
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. 1.10 - 1.15
Stramonium leaves, bgs.....lb. .21 - .22
Seed, bgs.....lb. .20 - .21
Strontium bromide, cns., dms.lb. .53 - .55
Carbonate, 90%, bbls.....lb. .14 - .16
98%, bbls.....lb. .23 - .25
Chloride, tech., bbls.....lb. .22 - .24
mesh 90%, bbls., works..ton.58.00 - —
Chromate, bbls., kgs., Phila..lb. .35 - .37
Iodide, bots.....lb. 3.06 - 3.15
jars, 25 lbs.....lb. 3.00 - —
Lactate, dms.....lb. 1.30 - 1.35
Nitrate, bbls., c.l., works....lb. .07¾- —
l.c.l., works.....lb. .08¼- .09¾
Oxalate, bbls., works.....lb. .38 - .40

Strontium salicylate, NF, dms.. lb. 1.10 - 1.15
Sulphate, nat., air-floated, 325 mesh 90%, bbls., works..ton.58.00 - —
Strontium-calcium sulphide, phosphorescent, dms., works..lb. 2.50 - 2.85
Strophanthin, bots.....oz.30.00 -50.00
Strophanthus seed, Kombe, bgs., lb. 2.40 - 2.45
Strychnine, NF, powd., cns., 100 ozs..oz. 1.25 - —
Sulphate, USP, powd., cns., 100 ozs..oz. 1.00 - —
Styrolyl acetate, bots.....lb. 2.50 - 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works...lb. .45 - —
tech., bbls., l.c.l., works...lb. .40 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphadiazine, USP, dms.....lb. 9.00 - 9.10
Sulphaguanidin, dms.....lb. 4.50 - 4.60
Sulphamerazin, dms.....lb. 9.00 - 9.10
Sulphanilamide, USP, bots....lb. 1.50 - —
tb. dms.....lb. 1.05 - 1.25
Sulphanilamide, 30-60 mesh, 10c. higher.
Sulphapyridin, powd., bots., tins. lb. 5.00 - 5.30
Sulphathiozole, dms.....lb. 2.50 - 2.80
Sulphonethylmethane, kgs.....lb. 6.75 - 6.85
Sulphonmethane, kgs.....lb. 5.25 - 5.35
Sulphur, crude, c.l., bulk, mines, contract..long ton.16.00 - —
vessels, Gulf ports, contract..long ton.17.50 - —
flour, comm'l, 99½%, bgs., c.l., works..100 lbs. 1.65 - —
l.c.l., works.....100 lbs. 2.00 - 2.11
precipitated, USP, bbls., kgs., lb. .18 - .30
refined, flour, extra fine, bgs., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.25 - 3.40
heavy, bgs., c.l., works..... 100 lbs. 2.60 - —
l.c.l., works.....100 lbs. 2.95 - 3.10
light, bgs., c.l., works..100 lbs. 2.70 - —
l.c.l., works.....100 lbs. 3.05 - 3.20

IF deliveries are not coming through as fast as you would like to have them, we would like to borrow the artist's idea and say "Don't shoot, we're doing the best we can." We are trying our best to furnish the same prompt delivery service that has been available to SOLVAY customers for years, but in spite of all our efforts, current demands have kept ahead of production. We appreciate the friendly cooperation of loyal SOLVAY customers and we hope that it will not be long before apologies for tardy deliveries will no longer be necessary.

SOLVAY

SOLVAY SALES CORPORATION
Alkalies and Chemical Products Manufactured by The Solvay Process Company
40 Rector Street New York 6, N. Y.

Soda Ash • Caustic Soda • Specialty Cleansers • Chlorine Products • Ammonium & Potassium Products • Calcium Chloride

Sulphur, refined, flowers, USP, bgs., c.l., wks..100 lbs. 3.05 - —
l.c.l., works.....100 lbs. 3.40 - 3.55
Refined sulphur flowers in bbls., 35c. higher.
rock, bbls., c.l., works.100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.55 - 2.70
roll, bbls., c.l., works.100 lbs. 2.40 - —
l.c.l., works.....100 lbs. 2.75 - 2.90
rubbermakers', bgs., c.l., wks. 100 lbs. 1.85 - -
Sulphur chloride, 35-gal. dms., c.l., works..lb. .03 - .03½
l.c.l., works.....lb. .04 - .04½
10-gal. dms., c.l., works...lb. .07 - .07½
l.c.l. .....lb. .08 - .08½
Dioxide, liquid, com'l, cyls., c.l., works..lb. .07 - —
l.c.l. .....lb. .08 - —
multi-unit cars, works..lb. .04½- .06
tanks, works.....lb. .04 - —
refrigeration, cyls., l.c.l., works..lb. .16 - .31
Iodide, bots., jars.....lb. 3.90 - 4.11
Sumac extract, No. 1, bbls....lb. .06 - —
No. 2, bbls.....lb. .07 - —
stainless, bbls.....lb. .09 - .11
Superphosphate,[1] pulverized, run-of-pile under 22% a.p.a., bulk, production points, Balto..unit-ton. .65 - —
Florida .....unit-ton. .51 - .54
others .....unit-ton. .57 - .84
Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 85½c. per unit-ton plus frt. charge from Anaconda, Mont., in excess of $5.05 per ton; guaranteed 18, 19 or 20% a.p.a., ½c. per unit-ton higher.

Superphosphate, triple, 40% or more, a.p.a., bulk, producing points, Florida.... unit-ton. .63 - —
South Carolina..unit-ton. .70 - —
Tennessee .....unit-ton. .75 - —
Other States and D.C., 62c. per unit-ton plus frt. charge for 45% from E. Tampa, Fla.
Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, bls.....lb. 1.00 - 1.25

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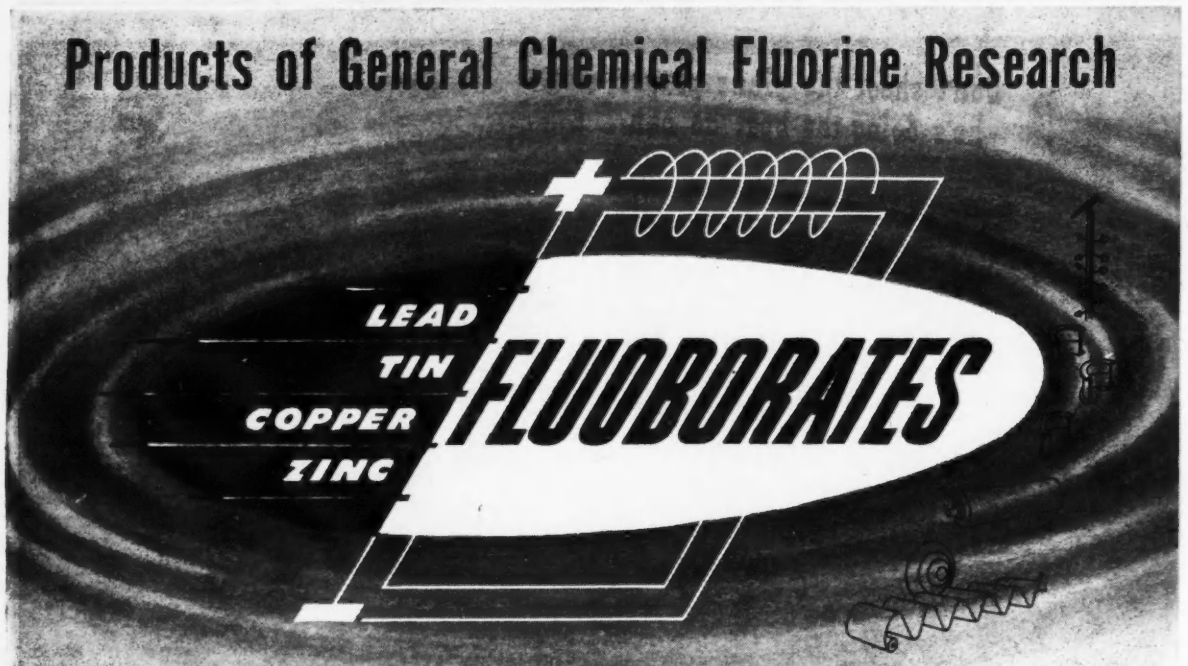
Talc,[1] dom., ordinary, grd., bgs., c.l., works..ton.14.50 -24.50
l.c.l., works.....ton.16.50 -30.00
Calif., bgs., c.l., wks.ton.17.50 -43.00
Pennsylvania, bgs., c.l., works..ton.11.00 -13.50
l.c.l., works.....ton.12.00 -14.50
Vermont, bgs., c.l., works. ton.14.00 - —
l.c.l., works.....ton.15.00 - —
fibrous, grd., coarse, off-color, New York, bgs., c.l., works, ton.13.00 - —
fine, New York, 325 mesh, 93-94%, bgs., c.l., works. ton.13.00 -18.00
98 - 99.5%, bgs., c.l., works..ton.15.25 -19.25
99.85 - 99.95%, bgs., c.l., works..ton.17.00 -21.00
imp. Canada, bgs., c.l.....ton.24.00 -30.00
Tallow,[1,7] edible, tanks.....lb. .07½- —
inedible, extra, loose.....lb. .06¾- —
special, loose.....lb. .06½- —
sulphonated, 50% (42% fat), dms., c.l..lb. .07 - .07½
(70% fat), dms., c.l.....lb. .10 - .10½
Tallow, sulphonated, l.c.l., 2c. higher.
Tamarind, bbls.....lb. .13 - .14
Tankage,[1,7] animal, feed grd., 9-11% ammon., bulk, unit-ton. 5.53 - —
Chicago .....unit-ton. 5.53 - —
fert. grd., 9% ammon., 10% b.p.l., bulk..unit-ton. 4.00 & .10
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 4.00 & .10
Tapioca flour,[1,3] bgs.....lb. .07 - .07½
Java, bgs.....lb. No stocks
Tar acid oil, 15-18%, dms., c.l., works..gal. .26½- —
l.c.l., works.....gal. .28½- —
25%, dms., c.l., works..gal. .30 - —
l.c.l., works.....gal. .32 - —
Tar, pine (see Pinetar).
Tara[1] pods, c.l., ex dock U. S. ports..long ton.87.25 - —
powd., c.l., same basis.... long ton.125.00 - —
Tara,[1] powd., c.l., ex dock, U. S. ports..long ton.112.00 -115.00
Tarragon herb, bgs.....lb. .60 - .65
Leaves, bgs.....lb. 1.20 - 1.25
Tartar emetic, tech., gran. or powd., bbls., kgs..lb. .47¾- .48
dms. .....lb. .48½- .51
USP, powd., bbls., dms., kgs. lb. .52¾- .56
Terpin hydrate, com'l, bbls., c.l. lb. .24½- —
l.c.l. .....lb. .25 - .25½
USP, cryst., bbls., dms....lb. .70 - .75
powd., bbls., dms.....lb. .75 - .80
Terpineol, alpha (see A).
com'l, dms., c.l., South....lb. .13½- —
l.c.l., South.....lb. .14 - —
tanks, South.....lb. .13 - —
pure, dms.....lb. .34 - .50
Terpinglycol ether, dms. (extra), c.l., works..lb. .19½- —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .19 - —

Terpinyl acetate, extra, cns., dms..lb. .90 - 1.15
prime, cns., dms.....lb. .75 - 1.05
Terra alba (see Gypsum).
Tetrachloroethane, dms., works, lb. .08 - .08½
Tetrachloroethylene, NF VI, 55-gal. dms., works..lb. .20 - .21½
smaller dms., works.....lb. .23½- .25½
tech. (see Perchloroethylene).
Tetrallin, dms.....lb. .19 - —
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 90%, bots., works..lb.12.50 Nom.
Theobromine,[3] dms., 25-lb. lots.. lb. 2.80 - —
smaller lots.....lb. 2.90 - 3.00
Thiamine hydrochloride, dms., 100 grams or more..kilo.160.00 - —
Thiocarbanilide, dms.....lb. .24 - —
Thiourea, CP, dms.....lb. .55 - .56
Thorium nitrate, cs., works...lb. 2.00 - —
Thyme, California, French type, bls., Pacific Coast..lb. .90 - .92
Spanish, bls.....lb. .14 - .14½
Thymol, cns.....lb. 2.40 - 2.75
Iodide, dms.....lb. 3.40 - 3.80
Timbo root (see Cube root).
Tin chloride,[6] anhydrous.....lb. No stocks
crystals,[6] bgs., bbls.....lb. No stocks
Metal,[1,6] .....lb. .52 - —
Bolivian .....lb. .63½- —
Straits .....lb. No stocks
Oxide,[1,6] bbls.....lb. .54 - .55
Tetrachloride,[6] anhyd., dms., works..lb. .31 - .33
Titanium dioxide,[1,4] chalk resistant, bgs., c.l., dlvd..lb. .15 - —
l.c.l., dlvd.....lb. .15½- .15¾
nonchalking,[1,4] bgs., c.l., dlvd. E..lb. .16½- —
l.c.l., dlvd.....lb. .16¾- .17¼
plain, bgs., c.l., dlvd.....lb. .14½- —
l.c.l., dlvd.....lb. .14¾- .15½
Hydride, cns., works.....lb. 7.00 - 8.00
Pigment, barium, base,[1,4] bgs., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06 - —
Calcium base,[1,4] bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd.....lb. .05¾- —
Calcium-rutile base,[1,4] bgs., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .05¾- —
Magnesium base,[1,4] dlvd...lb. .05¾- —
l.c.l., dlvd.....lb. .06 - —
Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast, c.l., dlvd., l.c.l., ex whse., ¼c. higher.
Tetrachloride, CP, 55-gal. dms., works..lb. .57 - —
smaller pkgs., works.....lb. .65 - 1.22
technical, 55-gal. dms., works. lb. .32 - —
smaller pkgs., works.....lb. .40 - 1.00
Tolu balsam, cns.....lb. 2.25 - 2.35
Toluidin base, distilled, kgs...lb. .96 - —
Toluene (see Toluol).
Toluol (toluene), coaltar, 2°, indust., dms., return, wks. gal. .32 - —
tanks, E. of Omaha, frt. alld..gal. .27 - —
West Minnequa, Colo..gal. .27 - —
1°, nitration, ret. dms., works. gal. .32 - —
tanks, E. of Omaha, frt. alld..gal. .27 - —
West Minnequa, Colo..gal. .27 - —
Petroleum toluol prices, same as those for coaltar toluol.
Tonga, 50% bark and vine, bbls. lb. .90 - .91
Tonka beans, Angostura, cks.lb. 1.50 - 1.60
Brazilian, Surinam, cs.....lb. .80 - .85
Totaquine,[1,6] USP XII, 100-ozs. lots..oz. .52 - —
Triacetin, dms., works.....lb. .27 - .32
Triamylamine, dms., c.l., works. lb. .98 - —
l.c.l. .....lb. 1.01 - —
Tributyl citrate, dms.....lb. .29 - .31
smaller pkgs.....lb. .34 - .40
Phosphate, cns., l.c.l., dlvd..lb. .53 - .55
dms., l.c.l., dlvd.....lb. .49 - —
Tributylamine, dms., c.l., works. lb. .78 - —
l.c.l., works.....lb. .81 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .08 - —
l.c.l., frt. alld.....lb. .08½- —
tanks, frt. alld.....lb. .07½- —
Trichloroethane, dms., c.l., works. lb. .15 - —
l.c.l., works.....lb. .17 - —
Trichloroethylene, dms., c.l., Zone 1, works, frt. alld..lb. .08 - —
Zone 2, frt. alld.....lb. .08½- —
Zone 3, frt. alld.....lb. .09 - —
Zone 4, ex whse.....lb. .09 - —
Trichloroethylene, l.c.l., prices, ¼c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E), N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Tricresyl phosphate, tech., cns., works..lb. .28 - .29½
dms., c.l., dlvd.....lb. .25 - —
l.c.l., dlvd.....lb. .25½- —
tanks, dlvd.....lb. .24 - —
Triethanolamine, dms., c.l., frt. alld. in E..lb. .19½- —
l.c.l., same basis.....lb. .20½- —
tanks, same basis.....lb. .18½- —
Triethyl phosphate, cns.....lb. .40 - —
Triethylamine, dms., c.l., works, basis 100%..lb. .34 - —
l.c.l., works, basis 100%....lb. .36 - —
tanks, works, basis 100%....lb. .30 - —
Triethyleneglycol, dms., c.l., frt. alld. in E..lb. .18¼- —
l.c.l., same basis.....lb. .19½- —
tanks, same basis.....lb. .17½- —
Trimethylamine, dms., c.l., dlvd. lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Trimethylolpropane, bbls.....lb. .65 - —
Triphenyl phosphate, bbls., c.l., frt. alld..lb. .31 - —
l.c.l., same basis.....lb. .32 - —
Tripoli,[1] air-floated, bgs., c.l., works..ton.21.50 - —
double-grd., bgs., c.l., works.. ton.17.50 - —
once-grd., bgs., c.l., works.ton.16.00 - —
Trisodium phosphate (see Soda phosphate tribasic).
Tuba root (see Cube root).
Tungsten metal, powd., 99-99.7%, dms., works..lb. 2.60 - 5.40
Oxide, kgs.....lb. No prices
Turmeric root, Alleppey, bls., futures..lb. .18 - .18½
Haitian, bls. .....lb. No stocks
Madras, bgs. .....lb. .17¼- .17¾
Turpentine, gum, ret. dms., c.l. gal. .93½- —
l.c.l. .....gal. .94½- —
tanks, Savannah.....gal. .83½- —
Wood,[1] d.d., dms., East....gal. .65 - .70
tanks, East.....gal. .60 - —
steam-dist., ret. dms., East, gal. .80 - .88
tanks, East.....gal. .74 - .78
Sulphate, ret. dms.....gal. .65 - .76

Products of General Chemical Fluorine Research



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Progress and important advancements in modern electroplating lie ahead with the broadening use of General Chemical Metal Fluoborate Solutions. Today—fluoborate baths are proving outstanding for many lead, tin, lead-tin alloy, copper, zinc and other applications. Tomorrow—Metal Fluoborates hold still greater promise since their superiority to ordinary baths is indicated both by the unusual characteristics of the fluoborate electrolyte and by the type of deposits obtained.

To the electroplater, the Metal Fluoborates, generally, offer such advantages as: 1. Concentrated solution form; no mixing or dissolving necessary. 2. Simplicity of bath preparation and ease of control. 3. Stability of composition, high conductivity, and good covering power. 4. Fine-grained deposits of good color. 5. High-speed operation, with practically 100% anode and cathode efficiency.

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Metal Fluoborates BULLETIN 1015-A
General information on Metal Fluoborates, plus specific operating data on plating with Lead, Tin, and Cadmium Fluoborate.

U

Unicorn root, false (see Helonias root).
True (see Aletris root).

Uranium,[4] oxide, black, bgs...lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —

Urea-ammonia liquor (A and B), free ammonia content, Belle, W. Va., freight equalized with Hopewell, Va..ton.59.00 - —
fixed ammonia content, Belle, W. Va., freight equalized with Hopewell, Va., NH_3..ton.112.80 - —

Urea, dom., 46% N., bgs., c.l., works or ship. pts..ton.68.60 - —
l.c.l., ship. pts.....ton.70.50 -85.00
import, pure, cs.....lb. .12 - —

Fertilizer comp., 42% N., bulk, c.l., works, or Atlantic or Gulf ports..ton.57.40 - —
fixed ammonia content, usual Atlantic and Gulf ports, NH_3..ton.116.80 - —

C and D prices for Urea-ammonia liquor are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations.

Urunday, solid extract, 68% tannin, ex dock, U. S. ports. lb. .05625- .05875

Uva ursi leaves, bls.....lb. .16 - .17

V

Valerian root, Belgian, NF, bls. lb. No stocks
Indian, bls.....lb. .65 - .70

Valonia, beards, bgs., f.a.s...ton. No prices
Cups, bgs., f.a.s.....ton. No prices

Vanadium[1] pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —

Vanilla beans, Bourbon, tins..lb. 7.75 - 8.50
Mexican, cuts, tins.....lb. 9.50 -10.00
whole, tins.....lb.10.50 -11.00
Tahiti, white label, tins.....lb. 3.50 - 3.75
yellow label, tins.....lb. 3.25 - 3.50
West Indian, tins.....lb. No stocks

Vanillin,[1] ex eugenol, tins, 25 lbs. or more..lb. 2.60 - —
smaller lots, tins.....lb. 2.65 - 2.75
ex guaiacol, tins, 25 lbs. or more..lb. 2.35 - —
smaller lots, tins.....lb. 2.40 - 2.50
ex lignin, tins, 25 lbs or more. lb. 2.35 - —
smaller lots, tins.....lb. 2.40 - 2.50

Venice turpentine, artif., cns..lb. .24 - .25

Verdigris, bbls., bgs.....lb. .22 - .23

Vinyl acetate, cbys., works....lb. .25 - —
dms., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
smaller pkgs., l.c.l., works, lb. .25 - —

Vinyl ether, bots., 75 c.c., less 20% and 20%..bot. 1.50 - —
50 c.c., same basis.....bot. 1.05 - —
25 c.c., same basis.....bot. .65 - —

Trichloride (see Trichloroethane).

Vinylpyridin, ref., dms., works.lb. 1.50 - —

Viosterol (irradiated ergosterol), bots., mil., units. .10 - .12
in corn oil (see Calciferol).

Vitamin A (see Oils, codliver, halibut-liver).
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
C (see Acid, ascorbic).
D (see Oils, codliver, halibut-liver, viosterol).
D_2 (see Calciferol).
E (see Alphatocopherol).
G (see Riboflavin).
P-P (see Acid, nicotinic, and Nicotinamide).

Violet, methyl, toner (see M).

V.M.P. naphtha (see Petroleum naphtha, v.m.p.).

W

Wahoo root bark, bls.....lb. .55 Nom.

Wattle bark,[1,3] E. Africa, bgs., f.a.s..ton.52.50 - —
S. Africa, merchantable, bgs., f.a.s..ton.52.50 - —
fair average, bgs., f.a.s.. ton.55.00 - —
prime quality, bgs., f.a.s.. ton.57.50 - —

extract,[1] liquid, 35% tannin, bbls., works..lb. .05½- .06¼
tanks, works.....lb. .04¾- .05¼
solid, E. Afr., 61% tannin, ex dock..lb. .05595- .05845
S. Afr., 62% tannin, ex dock. lb. .0572- .0597

Wattle extract prices based on $12 freight and $1.00 insurance per long ton.

Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs.....lb. No stocks
Bees, bleached, USP, white, bricks, cakes, cs.....lb. .62 - .65
slabs, bgs.....lb. .60 - .62
crude, African, bgs.....lb. .49 - .51
Western hemisphere, bgs.lb. .57 - .60
refined, yellow, brick, bgs.lb. .58 - .59
cakes, cs.....lb. .57 - .58
Candelilla, crude, bgs.....lb. .74 - .75
refined, bags.....lb. .76 - .78
Powdered, candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, No. 3, bgs., ton lots..lb. 1.45 - 1.50
North Country, No. 2, bgs., ton lots..lb. 1.56 - 1.60
No. 3, bgs., ton lots.....lb. 1.52 - 1.55
refined, bgs., ton lots....lb. 1.65 - 1.70
yellow, No. 1, bgs., ton lots. lb. 1.80 - 1.85
No. 2, bgs., ton lots.....lb. 1.78 - —
Powdered carnauba prices, same differentials as powdered candelilla.
Ceresin, dom., 132°-136° m.p., bgs..lb. .12½- .13½
138°-140° m.p., bgs.....lb. .14 - —
158°-162° m.p., bgs.....lb. .19 - .22
Japan, cs.....lb. No stocks
Microcrystalline, 170°-175° m.p., A.S.T.M., amber, ctns. 36 tons, yearly contract, group 3, works..lb. .14½- —
amber, ctns., smaller lots, same basis..lb. .14½- .15½
black, ctns., 30 tons, same basis..lb. .12¾- —
smaller lots, same basis.. lb. .13 - .13¾
190°-195° m.p., A.S.T.M., amber, ctns., 30 tons, same basis..lb. .16½- —
smaller lots, same basis, lb. .16½- .17¼
black, ctns., 30 tons, same basis..lb. .14¾- —
smaller lots., same basis, lb. .15 - .15¾
Wax, microcrystalline, 190°-195° m.p., A.S.T.M., white, ctns., 30 tons, same basis..lb. .24¾- —
smaller lots, same basis, lb. .25 - .25¾
Montan, domestic, bgs.....lb. No stocks
Ouricury, crude, bgs., ton lots. lb. 1.10 - 1.15
refined, bgs., ton lots.....lb. 1.30 - 1.35
Powdered ouricury prices same as powdered candelilla.
Spermaceti, blocks, cs.....lb. .27 - .32
cakes, cs.....lb. .26 - .32
White lead (see Lead, white).
White precipitate, powd., dms., 50 lbs. or more..lb. 2.50 - —
White pine bark, rossed, bls..lb. .16 - .19
Whiting,[1] chalk, dry-grd., bgs., c.l..ton.18.00 -22.00
l.c.l. .....ton.20.00 -24.00
wet-ground, bgs., c.l.....ton.21.00 -25.00
l.c.l. .....ton.25.00 -29.00
gilders, bolted, bgs., c.l.ton.20.00 -24.00
l.c.l. .....ton.21.00 -25.00
extra-bolted, bgs., c.l..ton.22.00 -26.00
l.c.l. .....ton.23.00 -27.00
Limestone, dry-grd., 325 mesh, bgs., 40 tons, N. E., works..ton. 6.00 - —
smaller lots, N.E., works. ton. 7.00 - 9.00
wet-grd., air-coated, 360 mesh, 90¼%, bgs., c.l..ton. 9.35 -10.10
200 mesh, 99½%, bgs., c.l., ton. 8.00 - 9.50
80%, bgs., c.l.....ton. 6.25 - 7.00
water-floated, extra gilders, bgs., c.l..ton.10.00 - —
gilders, bgs., c.l.....ton.12.45 - —
putty grade, bgs., c.l..ton.12.00 - —
Paris white, bgs., c.l.....ton.24.00 -28.00
l.c.l. .....ton.25.00 -29.00
precipitated, bgs., c.l.....ton.14.00 -15.00
l.c.l. .....ton.18.00 -20.00
Wild cherry bark, thick, bls..lb. .06 - .07
thin, natural, bgs.....lb. .16 - .17
rossed, green, bls.....lb. .25 - .26
Wild indigo root, bls.....lb. .22 - .25
Witch-hazel leaves, bls.....lb. .21 - .22
Witherite (see Barium carbonate, natural).
Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N. Y..ton.29.00 - —
60 mesh, same basis.....ton.24.00 - —
80 mesh, same basis.....ton.27.00 - —
100 mesh, same basis.....ton.30.00 -32.00
Woodflour, in bags, 25c. each extra, returnable.
Wormseed, American, bgs.....lb. .20 - .22
Levant, bgs.....lb. 4.50 - 4.75
Wormwood, bls.....lb. .50 - .60

X

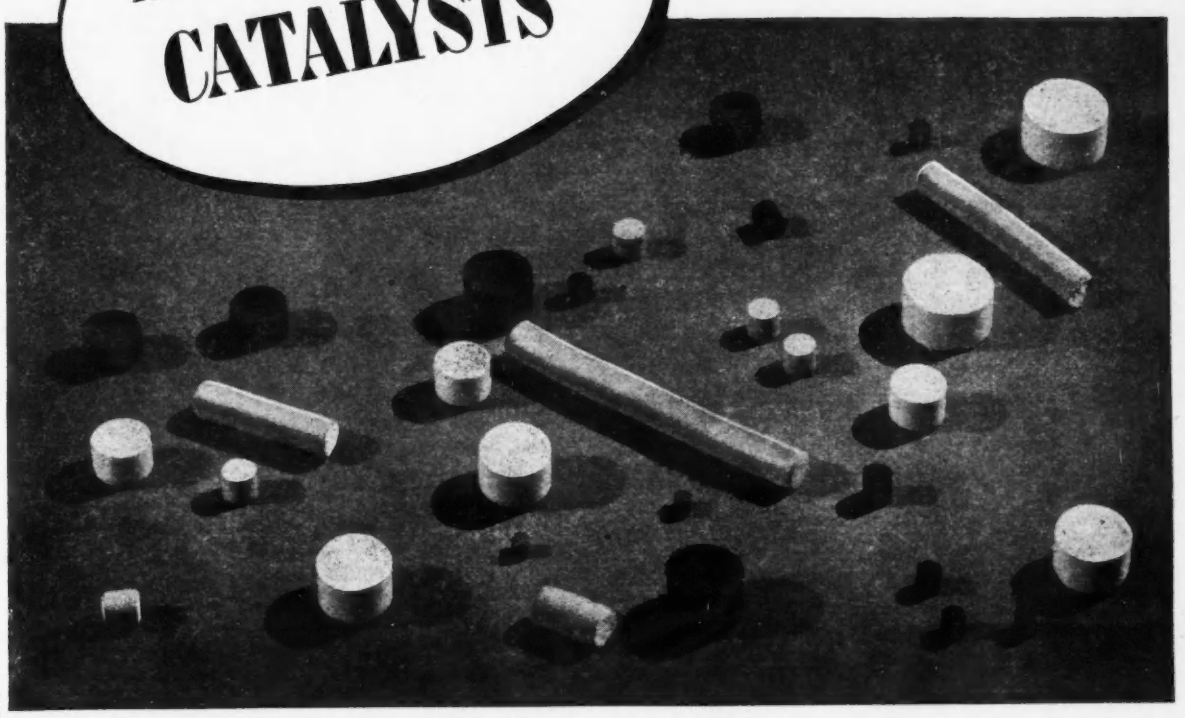
Xanthorrhiza, bls. .....lb. .28 - .30
Xylene (see Xylol).
Xylidin, mixed, dms.....lb. .35 - .36
Xylol (xylene), coaltar, indus., ref. dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld..gal. .26 - —
West Minnequa, Colo..gal. .26 - —
10°, ref. dms., works.....gal. .34 - —
tanks, E. of Omaha, frt. alld. gal. .29 - —
5°, ref. dms., works.....gal. .41 - —
tanks, E. of Omaha, frt. alld. gal. .36 - —
3°, ref. dms., works.....gal. .47 - —
tanks, E. of Omaha, frt. alld. gal. .41 - —
Petroleum xylol prices, same as those for coaltar xylol.

Y

Yara yara, cryst., bots., cns..lb. 1.75 - 1.90
Yeast, brewer's dry, 50 B units, dms..lb. .35 - —
90 B units, dms.....lb. .45 - —
200 B units, dms.....lb. .50 -
300 B units, dms.....lb. .60 -

—Continued on page 76

Tabletted and Extruded
CATALYSTS



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Harshaw is supplying preformed catalysts for alkylation . . . oxidation . . . isomerization . . . dehydrogenation . . . hydroforming . . . hydrogenation . . . polymerization . . . dehydration . . . and various organic processes.

If you are considering the possibility of using catalysts to improve your manufacturing processes, discuss your problem with Harshaw. We not only have field experience, but also have large production capacity for tabletted and extruded catalysts.

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Durez RESIN NEWS

DUREZ 50800 LIQUID RESIN

Durez 50800 Liquid Resin is now being used very successfully in interior and exterior architectural finishes, barn, railroad, and bridge paints. Paint manufacturers figure it as half resin and half oil in all their regular formulas.

Extends Drying Oils

Durez 50800 is a 100% solids oxidizing liquid resin with many desirable properties which fit it for various uses in the production of coatings. Drying is influenced by metallic driers, as is linseed, with 0.5 to1% lead metal and 0.05 to 0.1% cobalt metal giving good results.

This liquid resin has the consistency of heavy-bodied linseed oil and is soluble in all of the commonly used paint thinners. It is compatible with drying oils and oil soluble resins. It may be used in almost all drying oil formulations as a partial replacement for some of the drying oil. It is especially suited for emulsion paints where it may be used as the sole binder or in conjunction with linseed oil. A small amount added to linseed will speed the dry and produce a tougher film.

Regulates Viscosity

When used in amounts replacing from 5% to 30% of drying oil in conventional formulations, Durez 50800 Liquid Resin increases viscosity from 400 to 4000 centipoises. However, exposure and stability tests show that 10% of Durez 50800 Liquid Resin replacing an equal amount of oil produces a very satisfactory product.

Requires Addition of Thinner

Thinner must be added when Durez 50800 is used in order to control brushability and flow.

Price Reduced

In response to the unusually heavy demand for Durez 50800 Liquid Resin, we put this item into large-scale production, thereby effecting a saving in cost. This permits us to offer it to you at an even lower price than before.

For samples or further information on above Durez resin, write to . . .

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133 Walck Rd., North Tonawanda, N. Y.

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RESINS THAT FIT THE JOB

For High-Gloss and Durable Automotive Refinishes,

USE 2527 GLYPTAL

Specially designed for air dry automotive refinishing primers and enamels, this Glyptal offers a combination of drying speed, gloss, weather resistance, and water resistance. It hardens well overnight, and its firm dry is print-free. Better hardness, gloss, and water resistance—with little sacrifice of weather resistance—may be obtained by adding up to 50 per cent 2593 Glyptal.

G-E GLYPTAL
ALKYD RESINS

A G-E specialist is always available to discuss your paint problems. Just write to Section RIMA-463, Resin and Insulation Materials Division, General Electric Co., Schenectady 5, New York.

Properties of 2527 Glyptal

Solids content	49-51%
Solvent	5% Xylol & Petroleum Spirits
Viscosity	Z-Z2
Color (Hellige)	3-5
Acid No. of solution	5-7
Pounds per gallon	7.6
Aliphatic solvent tolerance	Excellent
Pigment compatibility	Very Good
Air dry—setting time	Medium
Hardness	Good
Flexibility	Excellent
Gloss	Excellent
Gloss retention	Excellent
Water resistance	Excellent
Oil and gasoline resistance	Excellent
Weather resistance	Excellent
Specific gravity	1.12
Phthalic anhydride	35%
Resin or derivatives	None
Phenolic content	None
Oil acids content (Resin)	45%

GENERAL ELECTRIC
CD46-G6

If just now you are unable to get all the Glyptal resins you want, you will be pleased to know that G.E.'s facilities for manufacturing these quality products are now being expanded to bring production into step with demand.

Acrysol, WA-5, dms., 10 dm., 1-9-dm. lots	lb.	.42½ - .43

Acryloid and Acrysol prices are f.o.b. manufacturer's plant, with minimum transportation charges allowed to destination on shipments of one barrel or more in district 1, comprising any point in the United States except in the States of Arizona, California, Colorado, Idaho, Montana, New Mexico, Nevada, Oregon, Texas, Utah, Washington and Wyoming.

Amberlac B-94 (85% in xylol), bbls., c.l.	lb.	.23 - —
l.c.l.	lb.	.23½- —
D-96, bbls., c.l.	lb.	.24½- —
80-X, bbls., c.l.	lb.	.19 - —
l.c.l.	lb.	.19½- —
81-X (70% in xylol), bbls., c.l.	lb.	.18½- —
l.c.l.	lb.	.19 - —
80-MT (50% in mineral thinner), bbls., c.l.	lb.	.16½- —
l.c.l.	lb.	.17 - —
l.c.l.	lb.	.25 - —
Amberol, phenol formaldehyde type, F-7, light, bbls., c.l.	lb.	.17½- —
l.c.l.	lb.	.18 - —
extra light, bbls., c.l.	lb.	.17¾- —
l.c.l.	lb.	.18¼- —
dark, bbls., c.l.	lb.	.17 - —
l.c.l.	lb.	.17½- —
F-71, bbls., c.l.	lb.	.17½- —
l.c.l.	lb.	.18 - —
F-77, bbls., c.l.	lb.	.19 - —
l.c.l.	lb.	19½- —
K-12-A, bbls., c.l.	lb.	.18 - —
l.c.l.	lb.	.18½- —
B/S-1, light, bbls., c.l.	lb.	.16 - —
l.c.l.	lb.	.16¼- —
extra light, bbls., c.l.	lb.	.16¾- —
l.c.l.	lb.	.17 - —
dark, bbls., c.l.	lb.	.15½- —
l.c.l.	lb.	.16 - —
M-82, bbls., c.l.	lb.	.15¼- —
l.c.l.	lb.	.15¾- —
M-88, bbls., c.l.	lb.	.18 - —
l.c.l.	lb.	.18½- —
M-93, bbls., c.l.	lb.	.19 - —
l.c.l.	lb.	.19½- —
226, bbls., c.l.	lb.	.22½- —
l.c.l.	lb.	.23 - —
ST-137X, bbls., c.l.	lb.	.32 - —
l.c.l.	lb.	.32½- —
HH-1 (70% in toluol), bbls., c.l.	lb.	.33 - —
l.c.l.	lb.	.35 - —
maleic type, 800, extra light and light, bbls., c.l.	lb.	.16½- —
l.c.l.	lb.	.17 - —
801, extra light and light, bbls., c.l.	lb.	.17½- —
l.c.l.	lb.	.18 - —
801-P, bbls., c.l.	lb.	.16¼- —
l.c.l.	lb.	.16¾- —
806-P, bbls., c.l.	lb.	.16½- —
l.c.l.	lb.	.17 - —
808, bbls., c.l.	lb.	.18 - —
l.c.l.	lb.	.18½- —
820, bbls., c.l.	lb.	.19½- —
l.c.l.	lb.	.20 - —
925, bbls., c.l.	lb.	.14½- —
l.c.l.	lb.	.15 - —
926, bbls., c.l.	lb.	.15 - —
l.c.l.	lb.	.15½- —
750, bbls., c.l.	lb.	.28 - —
l.c.l.	lb.	.28½- —

Amberlac and Amberol prices are f.o.b. manufacturer's plant, with minimum transportation charges allowed to destination on shipments of one barrel or more in district 1, comprising any point in the United States except in the States of Arizona, California, Colorado, Idaho, Montana, New Mexico, Nevada, Oregon, Texas, Utah, Washington and Wyoming.

Aquaplex (resin emulsion type), S-6, bbls., c.l.	lb.	.14 - —
l.c.l.	lb.	.14¼- —
AM-92, bbls., c.l.	lb.	.14¼- —
l.c.l.	lb.	.14½- —
Aroclors, distilled, dms., c.l., works	lb.	.18 - —
ton lots, works	lb.	.18½- —
single dms., works	lb.	.19 - —
undistilled, dms., c.l., works	lb.	.15½- —
ton lots, works	lb.	.16 - —
single dms., works	lb.	.16½- —

B

Bakelite, phenolic resins, rosin reactive, XR-15775, non-ret. dms., ton, works	lb.	.33½- —
single dm. and less	lb.	.34 - .36½
XR-15778, non-ret. dms., ton, works	lb.	.50 - —
single dm. and less, works	lb.	.50½- .53
C-9 resins, liquid types, oil modified, BR-14590, non-ret. dms., ton, works	lb.	.26 - —
single dm. and less	lb.	26½- .29
XR-15780, not-ret. dms., ton, works	lb.	.34 - —
single dm. and less	lb.	.34½- .37
BR-16640, non-ret. dms., ton, works	lb.	.34 - —
single dm. and less	lb.	.34½- .37
100% paraphenyl phenol resin, pale, non-heat hardening BR-254, non-ret. bbls., ton, works	lb.	.33 - —
single dm. and less, works	lb.	.33½- .36
100% phenolic, pale, non-heat hardening, BR-9432, non-ret. bbls., works	lb.	.31 - —
single dm. and less, works	lb.	.31½- .34
BR-4036, non-ret. bbls., ton, works	lb.	.37 - —
single dm. and less, works	lb.	.37½- .40
BR-17700, non-ret. bbls., ton, works	lb.	.32½- —
single dm. and less	lb.	.33 - .35½
dark, non-heat hardening, BR-1329, non-ret. bbls., ton, works	lb.	.29 - —
single dm. and less, works	lb.	.29½- .32
BR-9484, non-ret. bbls., ton, works	lb.	.25½- —
works	lb.	.29 - —
single dm. and less, works	lb.	.26 - .28½
BR-9476, non-ret. bbls., ton, single dm. and less, works	lb.	.29½- .32
pale, heat-hardening, BR-3360, non-ret. bbls., ton	lb.	.36 - —
single dm. and less, works	lb.	.36½- .39
BR-10282, non-ret. bbls., ton, works	lb.	.32 - —
single dm. and less, works	lb.	.32½- .35
BR-14634, non-ret. bbls., ton, works	lb.	.36 - —
single dm. and less, works	lb.	.30½- .33
C-9 resins, solid types, BR-13202, non-ret. bbls., ton, works	lb.	.15 - —
single dm. and less	lb.	.15½- .18
Bakelite, C-9 resins, solid type, BR-13260, non-ret. bbls., ton, works	lb.	.37 - —
single dm. and less	lb.	37½- .40
oil modified, BR-302, non-ret. dms., ton, works	lb.	.346 - —
single drum and less, works	lb.	.351 - .376
BR-2175 (MTO), non-ret. kegs, ton, works	lb.	.38 - —
single dm. and less, works	lb.	.38½- .41
resin-baking types, BV-1600, ret. dms., ton, works	lb.	.30 - —
single dm. and less, works	lb.	.30½- .33
BV-3966 (MTO), non-ret. dms., ton, works	lb.	.20 - —
single dm. and less, works	lb.	.20½- .23
BV-10673, ret. dms., ton, works	lb.	.35 - —
single dm. and less, works	lb.	.35½- .38
BV-16607 (MTO), non-ret. dms., ton, works	lb.	.212 - —
single dm. and less, works	lb.	.217 - 242
dispersion resins, phenolic, BK-3962X, non-ret. dms., ton, works	lb.	27.7 - —
single dm. and less	lb.	28.2 - 30.7
BK-16700,, non-ret. dms., ton, works	lb.	.27 - —
single dm. and less	lb.	.27½- .30
non-phenolic, XK-16624, non-ret. dms., ton, works	lb.	.22½- —
single dm. and less	lb.	.23 - .25½
resin modified, BR-2072, non-ret. single dm. and less, works	lb.	.23 - —
phenolic lacquer resins and solutions, XR-3180, non-ret. dms., ton, works	lb.	.45 - —
single dm. and less	lb.	.45½- .48
XR-4357, non-ret. dms., ton, works	lb.	.45 - —
single dm. and less, works	lb.	.45½- .48
BR-9366, non-ret. bbls., ton, works	lb.	.18½- —
single dm. and less	lb.	.19 - .21½
XJ-10433, ret. dms., ton, works	lb.	.37 - —
single dm. and less	lb.	.37½- .40
BJ-15408, ret. dms., ton, works	lb.	.24 - —
single dm. and less	lb.	.24½- .27
rosin-reactive, XR-15775, ret. dms., ton	lb.	.33½- —
single dm. and less	lb.	.34 - .36½
XR-15778, ret. dms., ton	lb.	.50 - —
single dm. and less	lb.	.50½- .53
C-9, lacquer types, XJ-16580, ret. dms., ton	lb.	.26 - —
single dm. and less	lb.	.26½- .29
XR-15840, non-ret. dms., ton, works	lb.	.34 - —
single dm. and less	lb.	.34½- .37

Bakelite prices are f.o.b. manufacturer's plant or warehouse: minimum transportation charges prepaid on units of standard drums or over to destination in United States except as follows:—add 1c. per pound for delivery to Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington and Wyoming.

Made-to-order materials marked (MTO) are those whoch are not stock materials (not stocked because of changes that occur in physical properties when stored for any length of time) and which therefore have to be manufactured upon receipt of orders and allocation of raw materials.

Beckacite, 1100, M-K, dms., c.l.	lb.	.17 - —
l.c.l., same basis	lb.	.17½- .18
1101, N-M, dms., c.l.	lb.	.16½- —
l.c.l., same basis	lb.	.17 - .17½
1102, M-K, dms., c.l.	lb.	.16 - —
l.c.l., same basis	lb.	.16½- .17
1106, H-G, dms., c.l.	lb.	.16½- —
l.c.l., same basis	lb.	.17 - .17½
1112, WG-N, dms., c.l.	lb.	.17½- —
l.c.l., same basis	lb.	.18 - .18½
1113, WG-N, dms., c.l.	lb.	.15½- —
l.c.l., same basis	lb.	.16 - .16½
1116, K-1, dms., c.l., same basis.	lb.	.17½- —
l.c.l., same basis	lb.	.18 - .18½
1123, dms., c.l.	lb.	.17½- —
l.c.l., same basis	lb.	.18 - .18½
1125, dms., c.l., same basis.	lb.	.17½- —
l.c.l., same basis	lb.	.18 - .18½
Beckamine, P-138, works, dms., c.l.	lb.	.22¼- —
l.c.l., same basis	lb.	.22¾- .23¼
P-196, dms., c.l.	lb.	.26¼- —
l.c.l., same basis	lb.	.26¾- .27¼
P-198, accelerator, works, dms., c.l.	lb.	.28¼- —
l.c.l., same basis	lb.	.28¾- .29¼
P-354, works, dms., c.l.	lb.	.20¾- —
l.c.l., same basis	lb.	.21¼- .21¾
Beckopol, 1400, M-K, dms., c.l.	lb.	.19½- —
l.c.l., same basis	lb.	.20 - .20½
Beckosol, solid, No. 18, 4-5 (80% M.S.), dms., c.l.	lb.	.26 - —
l.c.l., same basis	lb.	.27 - .28
No. 24, 3-4L (80% toluol), dms., c.l.	lb.	.65½- —
l.c.l., same basis	lb.	.36½- .37½

C

Cumar resin, AX, non-ret. dms., net weight	lb.	.06¼- —
BX, net weight	lb.	.06¾- —
CX, gross weight	lb.	.05¾- —
DX, gross weight	lb.	.05¼- —
EX, gross weight	lb.	.05¼- —
FX, gross weight	lb.	.05¾- —
MH, col. 1	lb.	.11¾- —
1½-2	lb.	.10¾- —
2½-3½	lb.	.09¾- —
9	lb.	.06½- —
MS	lb.	.10¾- —
P, 10°-90° C., col. 2½ and darker	lb.	.10¾- —
RH	lb.	.10¾- —
RS	lb.	.10¾- —
V col. ½	lb.	.12¾- —
1	lb.	.11¾- —
1½-3	lb.	.10¾- —
2½ and darker	lb.	.09¾- —
W col. ½	lb.	.13¼- —
1	lb.	.12¾- —
1½-2	lb.	.11¼- —
2½ and darker	lb.	.10¼- —

All "P" grades with melting point below 50 degrees C., and grades AX and BX are shipped in steel drums. Grades CX, DX, EX and FX are sold on a gross weight basis. All other grades are sold on a net weight basis and are shipped in destructible fiber and metal drums, but their packaging is subject to change without notice. Prices are based on f.o.b. plant at Frankfort, Pa., freight equalized with Pittsburgh, with no revisions for shipments made in fiber containers.

D

Dow Resin 276 V-2 and V-9, 55-gal. drums, c.l., works	lb.	.24 - —
l.c.l., same basis	lb.	.24½- —
5 and 10-gal. drums, same basis	lb.	.30 - —

Duraplex (Alkyd type), A-27 (60% in xylol), bbls., c.l. lb. .19½- —
l.c.l. lb. .20 - —
A-29 (60% in xylol), bbls., (100% solids), bbls., c.l. lb. .26 - —
c.l. lb. .21 - —
l.c.l. lb. .21½- —
C-46HV (50% in mineral thinner) lb. .16 - —
l.c.l. lb. .16½- —
l.c.l. lb. .26¾- —
C-45 LV (100% solids), bbls., c.l. lb. .24 - —
l.c.l. lb. .24¾- —
C-48 (60% in mineral thinner), bbls., c.l. lb. .17½- —
l.c.l. lb. .18 - —
(100% solids), bbls., c.l. lb. .28 - —
l.c.l. lb. .28¾- —
C-49 (60% in mineral thinner), bbls., c.l. lb. .19 - —
l.c.l. lb. .19¼- —
100% solids, bbls., c.l. lb. .29½- —
l.c.l. lb. .30¼- —
D-63 (70% in mineral thinner), bbls., c.l. lb. .16 - —
l.c.l. lb. .16½- —
D-65 (70% in mineral thinner), bbls., c.l. lb. .22 - —
l.c.l. lb. .22½- —
E-71 (100% solids), bbls., c.l. lb. .24¼- —
l.c.l. lb. .25¼- —
E-73 (100% solids), bbls., c.l. lb. .24½- —
l.c.l. lb. .25¼- —
ND-77-B (60% in xylol), bbls., c.l. lb. .19½- —
l.c.l. lb. .20 - —
AL-210 (100% solids), bbls., c.l. lb. .17 - —
l.c.l. lb. .17½- —

Duraplex prices are f.o.b. manufacturer's plant, with minimum transportation charges allowed to destination on shipments of one barrel or more in district 1, comprising any point in the United States except in the States of Arizona, California, Colorado, Idaho, Montana, New Mexico, Nevada, Oregon, Texas, Utah, Washington and Wyoming.

Durite, 1301, pale, one drum and over lb. .29 - —
smaller lots lb. .30 - —

Durite prices are f.o.b. Phila., Pa., with freight allowed east of Rocky Mts.

E

Esterol, Group "A," A (E.S. 2) non-ret. dms., c.l., works, frt. alld. in U. S. except Ariz., Calif., Colo., Ida., Mont., Nev., N. M., Tex., Utah, Wash., Wyo. lb. .15½- —
l.c.l. lb. .16 - —
E (E.S. 161), 11 (E.S. 201), c.l., same basis lb. .16 - —
l.c.l. lb. .16½- —
22 (E.S. 202), c.l., same basis. lb. .13 - —
l.c.l. lb. .13½- —
lb. .11 - —
25 (E.S. 246), c.l., same basis. l.c.l. lb. .11 - —
33 (E.S. 203), c.l., same basis. lb. .15½- —
l.c.l. lb. .16 - —
562 (E.S. 19), c.l., same basis. lb. .16½- —
l.c.l. lb. .17 - —
600 (E.S. 56), c.l., same basis. lb. .15 - —
l.c.l. lb. .15½- —
750 (E.S. 94), c.l., same basis. lb. .13 - —
l.c.l. lb. .13½- —
1800 (E.S. 53), 2185 (E.S. 60), c.l., same basis lb. .15 - —
l.c.l. lb. .15½- —
2600 (E.S. 72), c.l., same basis. lb. .16 - —
l.c.l. lb. .15½- —
Group "B," B (E.S. 3), c.l., same basis lb. .15 - —
l.c.l. lb. .15½- —
H-1 (E.S. 38), c.l., same basis. lb. .19 - —
l.c.l. lb. .19½- —
1-L (E.S. 14), c.l., same basis. lb. .16½- —
l.c.l. lb. .17 - —
P-V (E.S. 42), 660 (E.S. 267), c.l., same basis lb. .16¾- —
l.c.l. lb. .17½- —
2196 (E.S. 259), c.l., same basis lb. .16 - —
l.c.l. lb. .16½- —
2002 (E.S. 282), c.l., same basis lb. .12 - —
l.c.l. lb. .12½- —
2633 (E.S. 69), c.l., same basis lb. .14½- —
l.c.l. lb. .15 - —

Group "A" are standard production items normally carried in the manufacturer's inventory. Group "B" are not always so carried.

Ethocel, ctns. (50-lb.), 5,000 lbs. or more, frt. alld. 100 lbs. up, works lb. .50 - —
under 5,000 lbs., same basis lb. .52 - —
under 50 lbs., same basis lb. .60 - —

F

Flexalyn, solid, non-ret, black iron dms., c.l., f.o.b. cars, destination, zone 1. lb. .13¾- —
10 dms., same basis lb. .14½- —
1-9 dms., same basis lb. .16 - —
C, non-ret., black iron dms., c.l., f.o.b. cars, destination, zone 1 lb. .13 - —
10 dms., same basis lb. .13¾- —
1-9 dms., same basis lb. .15¼- —
solution, non-ret. dms., c.l., f.o.b. cars, destination, zone 1 lb. .13¼- —
10 dms., same basis lb. .14 - —
1-9 dms., same basis lb. .15½- —
C, non-ret. dms., c.l., f.o.b. cars, destination, zone 1. lb. .12½- —
10 dms., same basis lb. .13¼- —
1-9 dms., same basis lb. .14¾- —
FCD, Alkyd, 515, non-ret. dms., c.l., works, frt. alld., Zone 1 lb. .17 - —
l.c.l. lb. .17½- —
521, 531-LV, c.l., same basis lb. .12½- —
l.c.l. lb. .13 - —
525, c.l., same basis lb. .13 - —
l.c.l. lb. .13½- —
525 LV, c.l., same basis lb. .15¼- —
l.c.l., same basis lb. .15¾- —
527, c.l., same basis lb. .17 - —
l.c.l. lb. .17½- —
528, c.l., same basis lb. .15¾- —
l.c.l. lb. .16¼- —
535, c.l., same basis lb. .14 - —
l.c.l. lb. .14½- —
538, c.l., same basis lb. .15 - —
l.c.l. lb. .15½- —
645, c.l., same basis lb. .14¾- —
l.c.l. lb. .15¼- —

FCD alkyd, 555, c.l., same basis. lb. .14½- —
l.c.l. lb. .15 - —
565, c.l., same basis lb. .17 - —
l.c.l. lb. .17½- —
564, c.l., same basis lb. .13 - —
l.c.l. lb. .13½- —
571, c.l., same basis lb. .14¾- —
l.c.l. lb. .15¼- —
572, c.l., same basis lb. .15 - —
l.c.l. lb. .15½- —
maleic, 3-V, non-ret. dms., c.l., works, frt. alld. zone 1. lb. .15 - —
l.c.l. lb. .15½- —
4, c.l., same basis lb. .16 - —
l.c.l. lb. .16½- —
6-V, c.l., same basis lb. .17 - —
l.c.l. lb. .17½- —
4-V, c.l., same basis lb. .16½- —
l.c.l. lb. .17 - —
5-V, c.l., same basis lb. .16½- —
l.c.l. lb. .17 - —
7-V, c.l., same basis lb. .16½- —
l.c.l. lb. .17 - —
14, c.l., same basis lb. .16 - —
l.c.l. lb. .16½- —
maleic, phenolic, 102, c.l., same basis lb. .31 - —
515 X, c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
501, c.l., same basis lb. .24½- —
l.c.l., same basis lb. .25¼- —
phenolic, 101, non-ret. dms., c.l., works, frt. alld. Zone 1 lb. .32 - —
l.c.l. lb. .32½- —
modified phenolic, 122, non-ret. dms., c.l., works, frt. alld. Zone 1 lb. .16½- —
l.c.l. lb. .17 - —
140, c.l., same basis lb. .17½- —
l.c.l. lb. .18 - —

FCD modified phenolic, 142, c.l., same basis lb. .16 - —
l.c.l. lb. .16½- —
144, c.l., same basis lb. .17½- —
l.c.l. lb. .18 - —
157, c.l., same basis lb. .18 - —
l.c.l. lb. .16½- —
163, c.l., works lb. .17½- —
l.c.l., same basis lb. .18 - —
165, c.l., works lb. .18 - —
l.c.l., same basis lb. .18½- —
poly-hydric ester, 228 non-ret. dms., c.l., frt. alld. Zone 1 lb. .15½- —
l.c.l., same basis lb. .16 - —
processed, 340, non-ret. dms., c.l. and l.c.l., frt. alld. zone 1 lb. .23½- —
342, c.l., same basis lb. .16¾- —
l.c.l. lb. .19¼- —
346, c.l., same basis lb. .16 - —
l.c.l. lb. .16½- —
347-348, c.l., same basis lb. .22 - —
l.c.l. lb. .22½- —

G

G, resin, dms., gross weight, works lb. .06 - —
Geon polyvinyl resins, Nos. 101 and 102, 30,000 lbs., works lb. .33 - —
5,000 to 29,999 lbs., same basis lb. .34 - —
200 to 4,999 lbs., same basis. lb. .36 - —
up to 199 lbs., same basis. lb. .50 - —

Geon polyvinyl resins, No. 202, 30,000 lbs., works lb. .36 - —
5,000 to 29,999 lbs., same basis lb. .37 - —
200 to 4,999 lbs., same basis. lb. .39 - —
up to 199 lbs., same basis lb. .56 - —
203, 30,000 lbs., works lb. .33 - —
5,000 to 29,999 lbs., same basis lb. .39 - —
200 to 4,999 lbs., same basis. lb. .41 - —
up to 199 lbs., same basis lb. .58 - —
Guai-a-phene, dms. (dm. deposit $4.00), works, 50-55 gals. gal. 2.47 - —
10 gals., two fives, per case, works gal. 2.57 - —
5 gals., one can per case, works gal. 2.62 - —
6 gals., six ones in single case, works gal. 2.72 - —
1 gal., in single carton, works gal. 2.83 - —

H

Hercolyn (see methyl abietate hydrogenated) in Current Market Quotations.
Hydrogum, P-190, dms., c.l. lb. .14½- —
l.c.l. lb. .15 - .15½

J

Jonite (see zinc-iron oxide pigment in regular list above).

K

Kopol, 500, estered, D-B, c.l. lb. .22 - —
l.c.l. lb. .22½- .23
501, fused, c.l. lb. .20 - —
l.c.l. lb. .20¼- .21

TITANOX . . . *the brightest name in titanium pigments*

Another **"TITANOX FIRST"** *Comes of age!*

Twenty-one years ago, the staff of the Titanium Pigment Company, Inc., developed TITANOX-C (Titanium Calcium Pigment) for paints. It then launched *the first commercial production of titanium calcium pigment in the United States* . . . another "TITANOX FIRST"!

Although TITANOX-C has just "come of age" it has been doing a man-sized job since the first days it was offered to the trade. The high opacity, low specific gravity which produce high bulking, chemical stability, easy wetting and grinding, uniformity and fineness of TITANOX-C provide a combination of desirable qualities which are especially attractive to the paint manufacturer. Paints made with TITANOX-C are economical both to maker and user.

While maintaining the quality of TITANOX pigments at the highest level possible, the makers of TITANOX pigments are exerting every effort toward increasing production of these better paint ingredients to meet industry-wide demands.

TITANOX

TITANIUM PIGMENT CORPORATION
SOLE SALES AGENT

111 Broadway, New York 6, N. Y.
104 So. Michigan Ave., Chicago 3, Ill.
350 Townsend St., San Francisco 7, Cal.
2472 Enterprise St., Los Angeles 21, Cal.

L

Lewisol resin, 2 L, non-returnable light-gauge steel dms., c.l., f.o.b. cars, destination, zone 1
..lb. .16½- —
l.c.l., 10 dms, same basis..lb. .17 - —
1 dm., same basis.....lb. .17½- —
22, non-returnable light gauge steel dms., c.l., f.o.b. cars, destination, zone 1..lb. .16½- —
10 dms., same basis.....lb. .17 - —
1-9 dms., same basis.....lb. .17½- —
33, non-returnable light gauge steel dms., c.l., f.o.b. cars, destination, zone 1..lb. .17½- —
10 dms, same basis.....lb. .18 - —
1-9 dms., same basis.....lb. .18½- —

Lewisol resin prices are f.o.b. cars, New Eng. and Middle Atlantic States, Va., W.Va., N.C., Ky., O., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo. Prices are dms. included, not returnable; net 30 days.

M

Metronite pigment, 120 and 180 mesh, containers included, c.l., f.o.b. Milwaukee..
ton.10.00 - —
l.c.l., same basis.....ton.14.00 - —
250 mesh, containers included, c.l., same basis..ton.15.00 - —
l.c.l., same basis.....ton.17.50 - —
325 mesh, containers included, c.l., same basis..ton.17.50 - —
l.c.l., same basis.....ton.20.00 - —
400 mesh, containers included, c.l., same basis..ton.27.50 - —
l.c.l., same basis.....ton.38.00 - —

N

Neo-fat drying oil, 170, dms., c.l., divd..lb. .14¾- —
190, dms., c.l., divd.....lb. .18¾- —
290, dms., c.l., divd.....lb. .20¾- —
Neo-fat, fatty acid, 3R, dms., c.l., divd..lb. .14¾- —
17 dms., c.l., divd.....lb. .12¾- —
19, dms., c.l., divd.....lb. .16¾- —

Neo-fat prices are ½c. per lb. higher in all States west of the Rocky Mountains. Drums are included and not returnable.

Neolyn 20, non-ret. dms., f.o.b. cars, destination, zone 1. lb. .24 - —
10 dms., same basis....lb. .24½- —
1-9 dms., same basis...lb. .25 - —
40, non-ret. dms., f.o.b. cars, destination, zone 1..lb. .26 - —
10 dms., same basis....lb. .26½- —
1-9 dms., same basis...lb. .27 - —
Nevillac, pale, hard, color 1-2, melting point 85-95°C., drums, works..lb. .19 - —
hard, color 2-½-4, melting point 85-95°C., same basis..lb. .17 - —
soft, color 2-½-4, melting point 65-75°C., same basis..lb. .17 - —
10 C, color ½-4, same basis..lb. .24 - —
LX-483, same basis.....lb. .23 - —
OA, same basis.....lb. .45 - —
RP, same basis.....lb. .25 - —
TS, same basis.....lb. .50 - —
RT, same basis.....lb. .31 - —
RA, same basis.....lb. .31 - —
Neville resin,[4] R-1 nevindene, color ½, dms., works..lb. .13½- —
R-3, nevindene, color 1, dms., works..lb. .12½- —
R-5, nevindene, color 1½-2, dms., works..lb. .11½- —
R-6, nevindene, color 2½-3½, dms., works..lb. .10½- —
R-7, N.P.S., color below 3, dms., works..lb. .12¾- —
R-9, hard, color ½, dms., works..lb. .12¾- —
Neville resin, R-10, hard, color 1, dms., works..lb. .11¾- —
R-11, hard, color 1½-2, dms., works..lb. .10¾- —
R-12, hard, color 2½-3½, dms., works..lb. .09¾- —
R-13, medium, color ½, dms., works..lb. .12¾- —
R-14, medium, color 1, dms., works..lb. .11¾- —
R-15, medium, color 1½-2, dms., works..lb. .10¾- —
R-16, medium, color 2½-4, dms., works..lb. .09¾- —
R-16A, medium, color 7-10, dms., works..lb. .08½- —
R-17, medium, soft, color 3½-8, dms., works..lb. .10¾- —
R-19, medium, soft, color 3½-8, dms., works..lb. .10¾- —
R-21, soft, color 3½-8, dms., works..lb. .10¾- —
R-22, special, soft, color 3½-8, dms., works..lb. .10¾- —
R-27, medium, soft, color 1, dms., works..lb. .13¾- —
R-28, medium, soft, color 1½-8, dms., works..lb. .12¾- —
R-29, medium, soft, color 2½-2, dms., works..lb. .12¾- —
465, 110-125°C., dms., gross weight, Pittsburgh..lb. .06½- —

Neville resin prices, except 465 resin, are freight equalized with Phila. Less than full drum shipments are 5c. per pound additional, f.o.b. Neville Island, Pa.

Nevilloid, C-55 emulsion, ret. dms., works..lb. .12 - —
C-10 emulsion, ret. dms., works. lb. .1125- —
Nextex, 10, returnable dms., works..lb. .08 - —
90, returnable dms., works.lb. .20 - —
Nuba, 1, 80-90° C., dms., gross weight, works..lb. .0290- —
2, 100-125° C., dms., gross weight, works..lb. .0290- —
3x, 135-150° C., dms., gross weight, works..lb. .04½- —
Nuodex drier, cobalt, 6%, 400-lb. pkgs..lb. .30¼- —
100-lb. pkgs.....lb. .31¼- —
Calcium, 5%, 400-lb. pkgs.lb. .22%- —
100-lb. pkgs.....lb. .23%- —
Iron, 6%, 400-lb. pkgs.....lb. .14%- —
100-lb. pkgs.....lb. .15%- —
lead, 24%, 450-lb. pkgs....lb. .14 - —
100-lb. pkgs.....lb. .15 - —
36%, 500-lb. pkgs.....lb. .21¼- —
100-lb. pkgs.....lb. .22¼- —
Manganese, 6%, 400-lb. pkgs. lb. .15%- —
100-lb. pkgs.....lb. .16%- —
Zinc, 8%, 400-lb. pkgs.....lb. .15%- —
100-lb. pkgs.....lb. .16%- —
Nuolate drier, cobalt, 4%, 400-lb. pkgs..lb. .19%- —
100-lb. pkgs.....lb. .20%- —
Lead, 16%, 450-lb. pkgs....lb. .09 - —
100-lb. pkgs.....lb. .10 - —
Manganese, 4%, 400-lb. pkgs. lb. .09¼- —
100-lb. pkgs.....lb. .10¼- —

All prices are divd. to customer's plant everywhere in U.S.A.

P

Paradene, No. 1, 75-90° C., color 12-16, dms., gross wt., works, lb. .0525- —
2, 100-125° C., color 12-16, dms., gross wt., works..lb. .0525- —
33, 34, color 10-15, dms., works. lb. .0625- —
36, color 10-15, dms., works, gross wt..lb. .0975- —

Paradene prices are freight equalized with Philadelphia, Pa.

Paradura 278, c.l., divd.....lb. .23 - —
l.c.l. .....lb. .24 - —
Paranol resin, hard, No. 1, c.l.lb. .16 - —
l.c.l. .....lb. .16½- —
extra hard No. 1, c.l.....lb. .16½- —
l.c.l. .....lb. .17 - —
25, c.l., divd.....lb. .16½- —
l.c.l. .....lb. .17 - —
30, c.l., divd.....lb. .17½- —
l.c.l. .....lb. .17¾- —
54, c.l., divd.....lb. .19½- —
l.c.l. .....lb. .20 - —
200, c.l., divd.....lb. .18¾- —
l.c.l. .....lb. .19 - —
500, hard, c.l., divd.....lb. .17½- —
l.c.l. .....lb. .18 - —
850, c.l., divd.....lb. .17½- —
l.c.l. .....lb. .18 - —
1700, c.l., divd.....lb. .18½- —
l.c.l. .....lb. .19 - —
1750, c.l., divd.....lb. .17¾- —
l.c.l. .....lb. .18¼- —
Paraplex (resin plasticizers), RG-2 (60% in xylol), bbls., c.l..lb. .28½- —
l.c.l. .....lb. .29 - —
(100% solids), bbls., c.l....lb. .44½- —
l.c.l. .....lb. .45¼- —
RG-7 (60% in xylol), bbls., c.l. lb. .24½- —
l.c.l. .....lb. .25 - —
RG-8 (100% solids), bbls., c.l. lb. .29 - —
l.c.l. .....lb. .29¾- —
G-29 (60% in butyl acetate), bbls., c.l..lb. .46½- —
l.c.l. .....lb. .47 - —
(100% solids), bbls., c.l....lb. .69 - —
l.c.l. .....lb. .69¾- —
5-B (80% in xylol), bbls., c.l.lb. .23½- —
l.c.l. .....lb. .24 - —
(100% solids), bbls., c.l....lb. .28½- —
l.c.l. .....lb. .29¼- —
AL-16 (70% in xylol), bbls., c.l. lb. .28 - —
l.c.l. .....lb. .28½- —
(100% solids), bbls., c.l....lb. .31 - —
l.c.l. .....lb. .31¾- —
AL-111 (100% solids), bbls., c.l. lb. .21 - —
l.c.l. .....lb. .21¾- —

Paraplex prices are f.o.b. manufacturer's plant, with minimum transportation charges allowed to destination on shipments of one barrel or more in district 1, comprising any point in the United States except in the States of Arizona, California, Colorado, Idaho, Montana, New Mexico, Nevada, Oregon, Texas, Utah, Washington and Wyoming.

Parazenes, 5 solid resins, c.l. and l.c.l., divd..lb. .13 - —
4634 solutions (50% in mineral spirits), c.l., divd..lb. .11 - —
l.c.l. .....lb. .11½- —
Pentalyn A, non-ret. dms., f.o.b. cars, destination, zone 1. lb. .13¼- —
10 dms., same basis....lb. .14 - —
1-9 dms., same basis....lb. .14½- —
C, non-ret. dms., f.o.b. cars, destination, zone 1..lb. .15¾- —
10 dms., same basis....lb. .16¼- —
1-9 dms., same basis....lb. .16¾- —
G, non-ret. dms., f.o.b. cars, destination, zone 1..lb. .15 - —
10 dms., same basis....lb. .15½- —
1-9 dms., same basis....lb. .16 - —
F, non-ret. dms., f.o.b. cars, destination, zone 1..lb. .15 - —
10 dms., same basis....lb. .15½- —
1-9 dms., same basis....lb. .16 - —
P.H.O., dms., works.....lb. .24 - —
Piccolastic, A-L, A-5, A-25, A-50, B-50, C-5, C-25, C-50, E-50 types, c.l., Clairton, Pa..lb. .20 - —
l.c.l., same basis.....lb. .20½- —

The above types are sold in heavy gauge steel drums, weighing approximately 52 lbs. each. Drums extra at $1.25 each, and non-returnable.

A-75, B-75, B-100, C-75, C-100, C-125, D-75, D-100, D-125, D-150, E-75, E-100, E-125 types, c.l., Clairton, Pa. lb. .20 - —
l.c.l., same basis.....lb. .20½- —

The above types are sold on a net weight basis, in light gauge steel drums weighing approximately 15 lbs. each, drums included.

FT, TX, FHF types, c.l., Clairton, Pa..lb. .12¼- —
l.c.l., same basis.....lb. .13 - —

The above types are in heavy gauge steel drums, weighing approximately 52 lbs. each. Drums extra at $1.25 each, and non-returnable.

Piccolyte resins, S-10, S-25, S-40, dms., net. wt., f.o.b. Clairton, Pa., c.l..lb. .15 - —
l.c.l. .....lb. .15¼- —
S-55, S-70, same basis, c.l.lb. .16 - —
l.c.l. .....lb. .16¼- —
S-35, S-100, same basis, c.l.lb. .17 - —
S-55, S-100, same basis, c.l.lb. .17 - —
l.c.l. .....lb. .17½- —
S-115, same basis, c.l.....lb. .18 - —
l.c.l. .....lb. .18½- —

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Piccoumaron resins, 420, 420-S, dms., gross wt., f.o.b. Clairton, Pa., frt. equald..lb. .08 - —
420-T, same basis.....lb. .0675- —
422-R, 423-R, 425-R, 427-R, dms., net. wt., same basis. lb. .1075- —
430, 435, bulk, gross wt., same basis..lb. .045 - —
440-T, same basis.....lb. .0625- —
450, 450-H and 450-S, same basis..lb. .09 - —
450-EH, same basis.....lb. .0975- —
460-T, same basis.....lb. .0575- —
XX-26, XX-40, bulk, net. wt., same basis..lb. .0625- —
XX-55, dms., gross wt., same basis..lb. .0675- —
XX-70, XX-100, same basis..lb. .0625- —
XX-115, same basis.....lb. .0975- —
T-115, same basis.....lb. .0725- —
70%, 420-S Sol., ret. dms., net wt..lb. .079 - —
Piliolite, S-1, powder, 600-lb. lots, works..lb. .53 - —
less than 600 lbs., same basis, lb. .55 - —
milled S-1 resin, 600-lb. lots, works..lb. .58 - —
less than 600 lbs., same basis. lb. .60 - —
Plyophen, plastic resins, 5000, c.l., works..lb. .18¼- —
l.c.l., same basis.....lb. .18¾- .19¼
5010, c.l., same basis.....lb. .17¼- —
l.c.l., same basis.....lb. .17¾- .18¼
5012, 5013, c.l., same basis.lb. .13¼- —
l.c.l., same basis.....lb. .13¾- .14¼
5014, c.l., same basis.....lb. .14¾- —
l.c.l., same basis.....lb. .15¼- .15¾
Polypale, ester, No. 10, non-ret. dms., c.l., divd..lb. .12 - —
10 dms., same basis....lb. .12¼- —
1-9 dms., same basis...lb. .12½- —

R

Resinous oil, No. XI, returnable dms., works..lb. .0160- —

S

Saran F-120 resin, c.l., works.. lb. .57 - —
l.c.l., same basis.....lb. .59 - —
F-122 latex, approx. 55% solids contained, wood bbls. (55 gals.), c.l., works..lb. .40 - —
l.c.l., same basis.....lb. .44 - —
10-gal. bbls., same basis.. lb. .50 - —
Silene (see Calcium silicate hydrated under C in Current Market Quotations).
Staybelite ester, No. 5, ret. dms. (dms. charged $3 each, extra), f.o.b. cars, c.l., destination, zone 1..lb. .15 - —
10 dms., same basis.....lb. .15¼- —
1 dm., same basis.....lb. .15½- —
No. 10, returnable black iron dms., c.l., f.o.b. cars, destination, zone 1..lb. .15 - —
10 dms., same basis.....lb. .15¼- —
1 dm., same basis.....lb. .15½- —
Super-Beckacite, 1001, c.l.....lb. .33 - —
l.c.l., same basis.....lb. .33½- .34
1003, F.E., c.l.....lb. .31 - —
l.c.l., same basis.....lb. .31½- .32
2000, M-K, c.l.....lb. .27 - —
l.c.l., same basis.....lb. .27½- .28
2100, M-I, c.l.....lb. .27 - —
l.c.l., same basis.....lb. .27½- .28
3011, c.l.....lb. .31½- —
l.c.l.....lb. .32 - .32½
Syntex Resins, 9 (or 1922), non-ret. dms., c.l., works, Louisville, Ky..lb. .18¼- —
l.c.l.....lb. .18¾- —
16, c.l., same basis.....lb. .19¾- —
l.c.l., same basis.....lb. .20¼- —
18, c.l., same basis.....lb. .17½- —
l.c.l.....lb. .18 - —
19-B, c.l., same basis.....lb. .16¼- —
l.c.l.....lb. .16¾- —
19-C, c.l., same basis.....lb. .13¾- —
l.c.l.....lb. .14¼- —
22, c.l., same basis.....lb. .15¾- —
l.c.l.....lb. .16¼- —
23, c.l., same basis.....lb. .14¾- —
23-R, c.l., same basis.....lb. .14¾- —
l.c.l., same basis.....lb. .15¼- —
l.c.l.....lb. .15¼- —
23-5D, c.l., same basis.....lb. .11¾- —
l.c.l., same basis.....lb. .12¼- —
28, c.l., same basis.....lb. .18¾- —
l.c.l.....lb. .19¼- —
32, c.l., same basis.....lb. .15¼- —
l.c.l.....lb. .15¾- —
40, 50, c.l., same basis.....lb. .16½- —
l.c.l.....lb. .17 - —
40-LR, c.l., same basis.....lb. .18¼- —
l.c.l., same basis.....lb. .18¾- —
50-L, c.l., same basis.....lb. .17 - —
l.c.l., same basis.....lb. .17½- —
60-A, c.l., same basis.....lb. .21¾- —
l.c.l.....lb. .22¼- —
60-AL, c.l., same basis.....lb. .22¼- —
l.c.l., same basis.....lb. .22¾- —
115, c.l., same basis.....lb. .12½- —
l.c.l.....lb. .13 - —
117, c.l., same basis.....lb. .13½- —
l.c.l., same basis.....lb. .14 - —
121, c.l., same basis.....lb. .17½- —
l.c.l.....lb. .18 - —
217, c.l., same basis.....lb. .15¼- —
l.c.l.....lb. .15¾- —
217-R, c.l., same basis.....lb. .15¼- —
l.c.l., same basis.....lb. .15¾- —
1979, c.l., same basis.....lb. .17¼- —
l.c.l.....lb. .17¾- —
H-3, c.l., same basis.....lb. .18 - —
l.c.l.....lb. .18½- —
H-12, c.l., same basis.....lb. .17¼- —
l.c.l.....lb. .17¾- —
H-15, c.l., same basis.....lb. .14½- —
l.c.l.....lb. .15 - —

V

Vanadiset resins, Grade A, 285-300° F, m.p., whse..lb. .0165- .035
Grade B, 245-255° F, m.p., whse..lb. .0225- .050
Grade C, 315-340° F, m.p., whse..lb. .0165- .035
Grade D, 170-180° F, m.p., whse..lb. .0165- .035
Grade E, 275-285° F, m.p., whse..lb. .0225- .050
Grade F, 225-235° F, m.p., whse..lb. .0225- .050
pulverized, whse.....lb. .0850- .210
solution, whse.....lb. .4000- .650
Velsicol, resins, AD-6-8, dms., c.l., Marshall, Ill..lb. .11¾- —
dms., 10 dms. up.....lb. .12¾- —
1-9 dms.....lb. .12¾- —
AB11-4, dms., c.l., same basis. lb. .08¾- —
l.c.l., same basis.....lb. .09 - —
Solutions, AD-600, tankcars, same basis..lb. .08½- —
dms., c.l., same basis....lb. .09¾- —
l.c.l., same basis.....lb. .10¾- —
AB-400, tankcars, same basis, lb. .06¼- —
dms., c.l., same basis..lb. .07¼- —
l.c.l., same basis.....lb. .07¾- —
Cost of containers included in above prices.
Vinsol resin, pulv., bgs., c.l., divd..lb. .02¼- —
l.c.l., divd., Met. area. lb. .06¼- —

Vinylseal, modified, vinyl acetate resin, 24.5% by weight, solution in toluene, T-24-9, non-ret. dms., 20-dm. lots, same basis..gal. 2.00 - —
drum lots, same basis....gal. 2.25 - —
less than drum lots, same basis..gal. 2.50 - —
29% by weight, solution in 52% methyl acetate, MA 28-18, 20-drum lots, same basis..gal. 2.15 - —
drum lots, same basis..gal. 2.40 - —
less drum lots.....gal. 2.65 - —
All "Vinylseal" containers except 5-gal. cbys. non-returnable.

Freight allowed to destinations in New England, Middle Atlantic States, Va., N.C., S.C., W. Va., O., Ky., Tenn., Ind., Ill., Mich., Wis., Ia., Mo. and Minneapolis, St. Paul, and Duluth, Minn. For shipments to all other points in U.S., add ½c. per lb. to c.l. and ¾c. to l.c.l. prices.

U

Uformite, F-200-E (50% in butanol: xylol) bbls., c.l.lb. .20½- —
1-10 drum lots.....lb. .21 - —
F-226-E (50% in capryl alcohol), bbls., c.l..lb. .22 - —
1-10 drum lots.....lb. .22½- —
MM-55 (50% in butanol: xylol), bbls., c.l..lb. .28½- —
1-10 drum lots.....lb. .29 - —
MU-56 (50% in butanol: xylol), bbls., c.l..lb. .27 - —
1-10 drum lots.....lb. .27½- —
MM-58 (50% in capryl alcohol), bbls., c.l..lb. .29 - —
l.c.l. .....lb. .29½- —

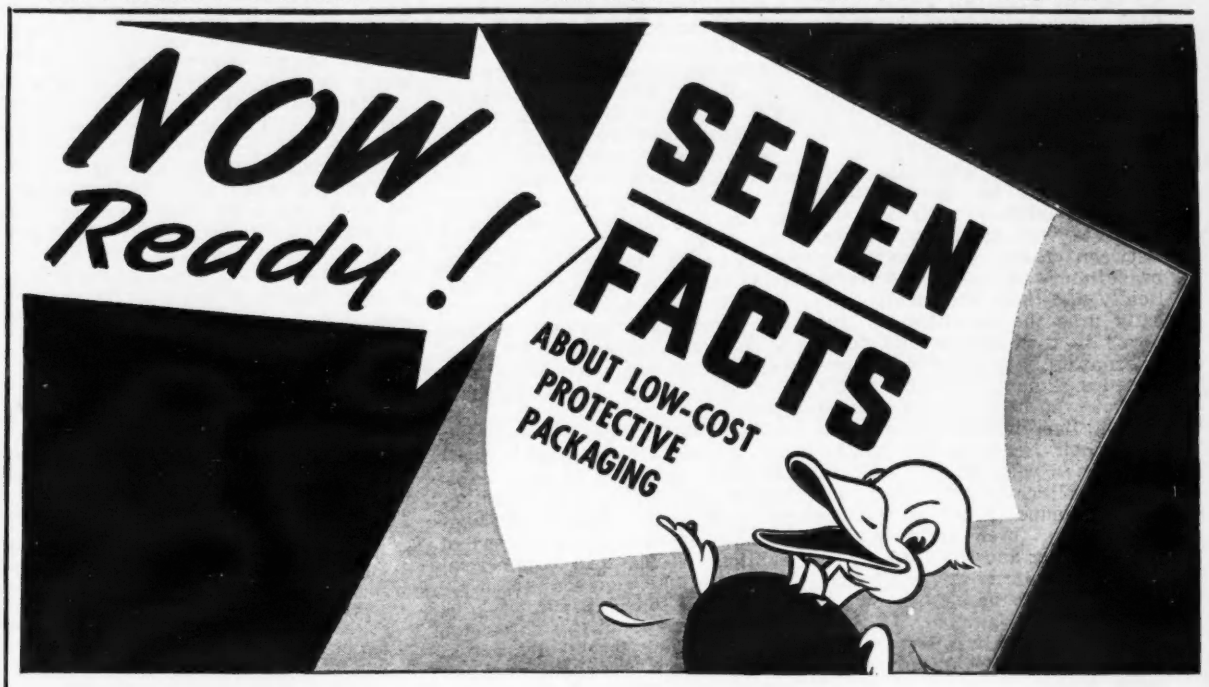
Uformite prices are f.o.b. manufacturer's plant, with minimum transportation charges allowed to destination on shipments of one barrel or more in district I.

Vinyl chloride-acetate, VYLF, VYEH, VYNW, VYNU, VYNV, VYNY, VYNL, powdered, c.l. (30,000 lbs.), paper bags, f.o.b. cars, South Charleston, W. Va..lb. .33 - —
10,000 to 29,999 lbs., same basis..lb. .34 - —
200 to 9,999 lbs., same basis. lb. .35 - —
1 to 199 lbs., same basis..lb. .51 - —
VYNS, c.l. (30,000 lbs.), paper bags, same basis..lb. .44 - —
10,000 to 29,999 lbs., same basis..lb. .45 - —
200 to 9,999 lbs., same basis. lb. .46 - —
1 to 199 lbs., same basis..lb. .62 - —
VYCM, pwd., c.l. (30,000 lbs.), paper bgs., f.o.b. cars, South Charleston, W. Va..lb. .33 - —
10,000-29,999 lbs., same basis..lb. .39 - —
200-9,999 lbs., same basis. lb. .40 - —
1-199 lbs., same basis. lb. .56 - —
modified vinyl chloride-acetate, VMCH, c.l. (30,000 lbs.), same basis..lb. .39 - —
10,000 to 29,999 lbs., same basis..lb. .40 - —
200 to 9,999 lbs., same basis. lb. .41 - —
1 to 199 lbs., same basis..lb. .57 - —
modified, acetate resins, AYAB, lumps (in fiber drums at option of seller); AYAA, AYAF, AYAT, granular (in paper bags only, f.o.b. cars South Charleston, W. Va., freight paid to destination E. of Mississippi River, c.l. (30,000 lbs.)..lb. .40 - —

Vinyl, modified acetate resins, AYAB, AYAA, AYAF, AYAT, 2,000 to 29,999 lbs., same basis..lb. .43 - —
200 to 1,999 lbs., same basis. lb. .45 - —
1 to 199 lbs., same basis.lb. .60 - —
chloride resins, AYAC, gran., fiber dms. at option of seller, c.l. (30,000 lbs.), f.o.b. cars, South Charleston, W. Va..lb. .43 - —
2,000-29,999 lbs., same basis..lb. .45 - —
200-1,999 lbs., same basis. lb. .47 - —
1-199 lbs., same basis..lb. .62 - —
QYNA, pwd., c.l. (30,000 lbs.), same basis..lb. .33 - —
10,000 to 29,999 lbs., same basis..lb. .34 - —
200 to 9,999 lbs., same basis. lb. .35 - —
1 to 199 lbs., same basis..lb. .51 - —
butyral resins, XYHL, XYHM, XYNC, granular, 96 to 97% solids, prices based on contained solids (in paper bags at option of sellers), 30,000 lbs., f.o.b. cars South Charleston, W. Va., c.l...lb. .62 - —
10,00 to 29,999 lbs., same basis..lb. .63 - —
200 to 9,999 lbs., same basis. lb. .64 - —
1 to 199 lbs., same basis.lb. 1.00 - —

Z

Zinlac, orange or white, 50-gal. bbls..gal. 1.50 - —
kits (5 gals.).....gal. 1.55 - —
jugs (1 gal.).....gal. 1.60 - —



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Disregarding Reality

It is becoming disturbingly obvious that, in the characteristic shortness of its memory, the American (United States) public is fast passing out of the costly awakening to realities which was visited upon it—at least some of it—by the recently recessed world war. Apathy with respect to the significance of world-scattered events never was wholly shaken off by the American public. It is back again today to a degree almost equal to that of a decade ago—and the events are now no less significant; the human race has not changed for the better. Why, then, should the people so obviously desire still to be deluded?

It is painfully clear that the United States has been putting aside its military activities and interests very much too rapdly. Between those who view the peacefulness of mankind optimistically and those who misty-optically urge the returning of "the boys" to their homes and folks, this nation has turned its unprotected back upon conditions which cannot even be faced fully armed without misgivings. Churchmen with their heads in the clouds; scholastics with their noses in books; politicians with their ears to the ground; and businessmen "all het up" over the machinations of labor and the OPA—none of them manifests any awareness of the disturbances with which the world is jammed. UN, for them, means Uncle Nosey or Useless Nuisance, depending on the point of view.

Congress begins to show a trace of recognition of the real need for continuing selective service—the draft, if you will—but largely as an emergent expedient. Churchmen, disregardful of the repeatedly proven ineffectualness of their endeavors for peace and goodwill, cry down the only practical method of assuring a fair measure thereof. Pedagogs, finding their occupation largely gone as a result of the call to military service, declare that such service is unnecessary. All sorts of special interests, including organized labor, fight for first grab at the men needed to assure national defense. The war may have brought reality to these for a time, but it has gone from them. The next roar of war's thunder will not reawaken them. It will be preceded by a lightning stroke which will destroy.

Go Them One Better

Almost every day finds a new item in the daily press about the secession of this or that individual or group from some one or other organization which, the secessionist is convinced, has a greater or less tinge of "communism." There is nothing definite about such appellations. "Socialism" and "communism" are as commonly confused in ordinary speech and concept as are "democracy" and "capitalism," and much that is called "communism" is really but an endeavor to interpret democracy—apart from capitalism—in the light of intelligent progress.

Whatever is the nature of the difference of an organization's philosophy, policy, or purpose from somebody's first concepts in respect thereof, the evil it may do will be aggravated, not mitigated, by the withdrawal of those who see things in another light. The intelligent thing to do is to stay in, enlist more adherents of similar mind, and make over the organization in a more desirable mold. But—the organization must be kept alive, purposeful, and active. There always is some good reason why the organization came into being, otherwise its external desirability—respectability, it is commonly called—would have had no appeal. Wisdom dictates that that reason be found and understood and furthered.

Almost equally frequent in the news is an item about the discovery, or admission, that an organization, usually one appealing to the youth of the nation, has a communistic affiliation and is more or less communistically controlled. Much talk there is about the secretive, underhand methods of the "reds," gabble about a long-evident fact—and nothing is done toward making those methods futile.

The chief reason why youth—and age too—is attracted to communistic programs is that capitalism—usually referred to as democracy—does not offer a comparable appeal. In the areas of political, social, and commercial economy alike, reliance is laid almost wholly on platitudinous pronouncements about the *status quo*, most of which face ready, actual contradictions in any individual experience. The schools do not teach democracy for what it really is; the press does not proclaim it; the people do not practice it. Can it be wondered, then, that almost anything else can be dressed up with an appeal to the multitude when there is no competition for its interest?

It is time to quit gabbing about the threatening dangers of some ism or other inimical to capitalism—or even to democracy—time to drop the frightened, defensive use of the "searching light of day" and to adopt and apply that best of all defenses against covert or overt danger, a vigorous offense—a militant presentation and practicing of the political, social, and commercial economic principles on which this republic of the United States of America was founded. There is nothing to fear in whatever an opponent may have when you have something better—and make proper use of it.

Suspicion Is Harmful

Business will have gone a long way toward knowing why its relations with government are not conducive to the best interests of either party when it has learned why it is possible for the Veterans Administration to charge employers with exploitation of veterans in connection with on-the-job training.

The Veterans Administration has set out to know whether it is the intent of an employer to provide an appropriate job—or any job—for a veteran upon completion of a course of training at government expense. Whether this step is necessary or warranted may be a question of fact. What should concern business is that it is at all possible, no matter what one may think of the mental or practical processes of bureaucrats.

The VA official directly concerned has cited in explanation of the tightening of inspection, examples of suspicious cases reported from four State agencies. Suspicions, of course, are not evidence. But, suspicion—on both sides—is the rock on which necessary, desirable relations and cooperation of government and business are wrecked. To what extent suspicion is justified in any particular instance, it is never possible accurately to determine. But, in all its contact with government and the general public, business, like Caesar's wife, should be above suspicion.

Respect for the Flag

The Congress is making another start in its often foozled attempt to confer upon the Government of the United States of America what would seem to be an inherent, but really is a nonexistent, right to protect the national emblem from desecration and mutilation and similar abuse. Because the ardent, sophistic defender of some sort of State's rights which he alleged denied such authority to the Federal government has stated his intention to retire from the Congress, a bill (H.R. 5904) has been introduced with a view of accomplishing what was blocked by the State's-righter four years ago.

H.R. 5904 would make it a misdemeanor to use the flag of the United States of America as a background for lettering, designs, or pictures, advertising of any sort; to use it as a mark of commercial identification; or to subject it to degradation or contempt by act or word. It is impossible to understand why the flag of this nation has remained exposed to such treatment over the many decades since its adoption. It is to be assumed that the people of the nation's early years could not conceive of any such disrespect for the symbol of the principles on which the United States was founded. But, everything has changed much since those days, and respect for anything is now the exception, rather than the rule.

It cannot be assumed that the Congress has been unaware of these changes; nor can the Federal legislature be charged with wilful failure to remedy a deplorable fault in the years before its attempts to do so ran into a snarl under articles IX and X of the amendments to the Constitution of the United States.

The flag of the United States of America is something much more than a "high-flyin' rag" to those who believe in the principles for which it stands. In these times of new world roles for nations, it must be much more than that to all the peoples of the world. Respect, like charity, begins at home. It is earnestly to be hoped and vigorously to be urged that the Congress delay that beginning no further.

Washington Talks It Over

—Continued from page 5

ments and to microfilm the entire lot would take months of work, much of which might prove useless in the end. What the board wants industry to do is to suggest the information that should be provided. This would speed up the job and get back here the information mostly desired.

The board also wants industry's assistance in recruiting personnel for the task. Technical men are needed in the fields of chemicals, aeronautics, automotives, machine tools, general industrial equipment, fuels and lubricants—to name only a few. Any industry or scientific group interested in specific German industrial methods and able to assign personnel to visit Germany should get in touch with the board. If the project appears to be of probable value to American industry, the board will make the necessary arrangements. Any information obtained in this way will be made available to all industry, of course, and cannot remain the exclusive property of the investigators.

SPUD for Food Relief

"Spud" as a popular nickname for the potato is supposed to have come from the initials of a Society for the Prevention of an Unwholesome Diet, formed two centuries ago by a group of woefully misguided Englishmen to protest the introduction of the potato as a food. The society failed, and the spud won its way on its merits.

Just now, in the postwar food crisis and in an age of alphabetical agencies, it is a simple matter to reverse the process and let S-P-U-D stand for an informal organization to which nearly everyone can belong, the Society for the Promotion of a Useful Diet. The slogan is "Reach for potato instead of bread." For this expresses almost exactly the position of the potato in this Spring of 1946.

The spud is plentiful and it is one of the best substitutes for the wheat that is needed to be saved to be shipped abroad.

FTC Procedure Ventilated

The staid old Federal Trade Commission is in something of a dither. Its newest commissioner, Lowell B. Mason, has launched a one-man reform campaign to let the businessman know what goes on inside the agency and in a manner that will leave no room for misunderstanding.

This week he broke long-standing precedents and issued a written opinion on a case involving the use of the word, "Canadian," in the tradename of a beer manufactured in the United States, and disclosed at the same time just how each of the other commissioners voted on the case. Furthermore, he said, he is going to continue this practice because FTC is, after all, the "businessman's court" and he is entitled to know why commissioners decide cases the way they do.

And if that was not enough to shake the foundations of the commissioners' bench, he presented his side of the beer bottle label controversy in plain straightforward English utterly devoid of all legal jargon. Citation of cases to support a position is cryptic, he says. They give a learned appearance to decisions, but lawyers seldom look them up—and businessmen don't know how anyway.

Patent Reform Plans

The Patent Office is complaining that it is being deluged with applications to patent trivial devices of questionable practical value with the result that it is being forced further and further behind with its work. A patent survey committee is now trying to find some way to meet this situation.

The problem is said to arise largely from the fact that the cautious patent attorney, in order to be on the safe side, tries to get as many patents as he can on developments of secondary importance for their defense value if nothing else. That's because he can never be sure what ideas from the research people will become important and fundamental in the future. Often these applications are abandoned after a year, however, which creates another problem since an abandoned patent will not defeat a subsequent patent.

Three suggestions for remedying the situation are under consideration:—(1) That abandoned applications be accepted for publication and, like patents, be effective against future inventors; (2) that the office have the right to accept an ordinary description of some practical idea, which also would be effective against future inventors upon publication; and (3) that a class of petty or so-called "minor" patents be established with an effective life of five years.

Comments from the public on the soundness of these proposals would be welcome by the committee.

OPD—4-15-1946

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Heavy Chemicals

Supply conditions in heavy chemicals showed no improvement last week so far as former shortages were concerned. Buying interest, while active, was tempered to some extent by the effects of the soft coal strike. The container question has continued a serious problem and has delayed shipments. Caustic soda remained exceedingly short and felt the full impact of consuming demand from the major consuming industries, particularly from the rayon mills where production capacity is being maintained. Soda ash was just about as short as caustic soda with the scarcity seemingly becoming worse. Oxalic acid is out of the market so far as nearby carlot shipments are concerned. While there was no material change in the copper sulphate situation, other copper chemicals have become scarce with copper chloride difficult to buy for prompt shipment.

Defluorinated phosphate was granted an advance in the ceiling price by OPA to cover higher producing costs and to insure continuance of output. The sold ahead position of zinc sulphate has created a difficult buying condition. Arsenic remained definitely short. Enough chlorine was available but containers were scarce and this same condition could be applied to carbon-tetrachloride. Tight supplies continued throughout the phosphate list. Heavy drain on phosphate stocks throughout the war has greatly reduced deposits at inland areas and forced producers to look over other fields in the Southeast.

Paper production as a percentage of six-day capacity was 104.1 in the week ended April 6, according to the American Paper and Pulp Association. This compares with 104.9 in the previous week and 86.8 percent a year ago.

Production figures in some of the following market reports were released by the Department of Commerce unless otherwise specified.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

General Chemicals

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
168.5	168.5	168.9	169.0

Acids

Last week.	Prev. week.	Last month.	Last year.
116.0	116.0	116.0	116.0

(For Current Prices see page 9)

Aluminum — London advices announce a reduction in the price of virgin aluminum delivered to the English consumer. The price now effective is $269.67 a long ton, a decline of $72.45 from the former market level. The decline was made possible by consumation of a contract by the Ministry for the purchase of 215,00 metric tons of the virgin metal from Canada for shipment during 1946 and 1947. The price to be paid by the British Ministry of Supply for the Canadian aluminum was not made public.

Ammonia — Production of synthetic anhydrous was maintained on a fairly even basis during the first two months of the year. Output in February was 39,738 tons, compared with a revised total production of 41,384 tons in January, the short month of February being responsible mainly for the difference in totals.

Arsenic — According to official reports, domestic production of arsenic in the last quarter of 1945 was 7,012,000 pounds, compared with 6,171,000 pounds for the preceding quarter. Exports in 1945, including reexports, amounted to almost 2,750,000 pounds against 4,800,000 pounds in 1944. Of this amount, 1,450,000 pounds was shipped to the Union of South Africa, the only major destination.

Calcium Carbide — Production of the commercial grade in February amounted to 40,316 tons against 45,192 tons in the preceding month.

Chlorine — Buying conditions have continued favorable so far as actual stocks are concerned but there has been no improvement in the container supply. Production in February was 84,798 tons, compared with a revised total of 89,707 tons in January.

Copper Chloride—Increased buying has appreciably tightened the supply position and sellers have been forced to take future orders instead of prompt. Demand seemed to be mostly for use as a gasoline sweetener, soot cleaner and for textile requirements.

Copper Sulfate—Production in 1945 is placed at an all-time high of 250,000,000 pounds, 22 percent above 1944. Manufacturers' stocks on December 31 were 18,668,000 pounds, highest for any month since January 1945. However, stocks were 14 percent lower than at the end of 1944 and 25 percent less than on December 31, 1943, indicating an increased consumption. Total exports in 1945 were 58,714,000 pounds, 24 percent of production, and represent a gain of about 1,000,000 pounds over 1944. The major portion was destined to Latin-American countries. Guatemala took 14,268,000 pounds, Honduras 11,721,000 pounds, Mexico 8,490,000 pounds, Costa Rica 6,564,000 pounds and Panama 6,235,000 pounds. The only other exportation of major importance was 4,200,000 pounds to France.

Defluorinated Phosphate Rock — A new processor's ceiling of $35.73 per ton on sales of defluorinated phosphate in 100 pound paper bags to mixed feed manufacturers has been established by the Office of Price Administration. The action, effective April 15, increases by $1.48 per ton the ceiling on defluorinated phosphate, a lower-cost substitute for steamed bonemeal, to reflect the increased cost of labor and materials since June 1943. As the proportion of this commodity is very small in comparison to other mineralized mixed feed ingredients, the increase will have practically no effect on the cost of feeding poultry or hogs, OPA said. The increase is made to assure continued production of this essential ingredient in the manufacture of mixed feeds for animal feeding.

Molybdenum—Preliminary totals for the year 1945 indicate a 20 percent decrease in production of molybdenum concentrates, in terms of molybdenum content, from the 1944 output, and an increase of 4 percent in consumption. Production of molybdenite concentrates in the last quarter of 1945 was 5,564,900 pounds and the total for 1945 was 30,810,500 pounds. Stocks of producers, consumers and at the office of Metal Reserve amounted to 21,645,000 pounds on December 31, compared with 23,338,000 pounds on the corresponding date in the preceding year, according to the Bureau of Mines.

Soda Ash—February production of finished light soda ash was 168,213 tons, against 196,492 tons in January. Output of finished dense ash was 123,046 tons, compared with 132,339 tons in the preceding month. There was also an output of 16,548 tons of natural soda ash in February against 17,645 tons in January. Current market conditions for both grades are exceedingly tight with consuming demand well ahead of the producing level.

Soda Bicarbonate—Refined production in February amounted to 13,809 tons, compared with 15,132 tons in the preceding month.

Soda, Caustic — Output of liquid caustic soda by the electrolytic process in February was placed at 81,499 tons against a revised total of 85,922 tons in January. Production of solid by this process was 14,713 tons in February against 17,757 tons in the preceding month. Production by the lime-soda process in February was 61,646 tons of liquid and 17,861 tons of solid compared with 68,427 tons of liquid and 21,618 tons of solid in January. The market situation in both grades was exceedingly tight with no apparent easement in consuming demand.

Tin—Advices from Singapore state that Malaya has resumed tin smelting at Penang at the rate of 10,000 tons of ore weekly. London reports were to the effect that international tin regulations and the anticipation of a larger demand from consuming countries will be considered by tin authorities in

For Late Market Developments, See Page 4

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Acids

Hydrofluoric—Output increased in February. The total for the anhydrous and technical grades was 3,063,000 pounds, compared with 2,204,000 pounds in January.

Muriatic—Production almost balanced during the first two months of this year. The February total registered 26,837 tons, against a revised total of 26,822 in January.

Nitric — Production in February amounted to 31,121 tons, compared with 34,769 tons in the preceding month.

Phosphoric—February recorded a production of 69,728 tons of 50 percent H_3PO_4, compared with a revised total of 68,728 tons in the preceding month.

Sulphuric—February production was considerably lower. The total was placed at 666,177 tons. Of this amount 235,867 tons represented the chamber process and 430,310 tons the contact process. The total output in January was revised to 743,904 tons.

Baltimore, April 12.—There is an absence of developments which would change conditions in sulphuric acid, which is going along with production up to current requirements and, with the industries receiving more attention than they did during the war. Production costs are higher than when the government requirements took so much of the plant yield. So far, no move has been made to alter the existing situation, with attempts to bring about uniformity of price, but with the government determining the price as well as other considerations. In a way, war control is extended although with requirements of industries receiving more attention.

Science Bill

—Continued from page 3

activities of the Foundation any more than the Secretary of War or the Secretary of Agriculture conduct the many diverse activities of their departments. However, there will be one person whom the President, congress and the public may hold responsible for the foundation's activities.

The program of the foundation will be carried out through the creation of eight divisions within the agency, each headed by a full-time director. Much stress is to be placed upon fundamental research and three of the divisions will be responsible for all matters of this nature in the several sciences. These are a Division of Mathematical and Physical Science, a Division of Biological Sciences, and a Division of Social Science.

Two research divisions are to be established whose functions are primarily related to the solution of problems in applied science. These are a Division of Health and Medical Science and a Division of National Defense. The three remaining divisions will be a Division of Engineering and Technology, a Division of Scientific Personnel and Education and a Division of Publication and Information.

The bill gives the foundation considerable freedom to support research by whatever method it deems best, thus the administrator can enter into contracts for highly specific projects or make relatively nonspecific grants for the support of broad programs of research in a particular field. Provisions have been included to make explicit that the Foundation shall not limit the research activities of existing government agencies nor interfere with the administration of their programs.

In order to make up the deficit in new scientific personnel, the bill provides not only for undergraduate scholarships, but for graduate and postdoctral fellowships with the recipients of the awards to be chosen solely on the basis of aptitude for scholarly pursuits.

Trade Briefs

Wilson Chemical Company has opened an office at 35 Water street, New York 4.

Lance E. Booth has resigned as general manager of the Beacon Chemical Corporation, New York.

United States Plywood Corporation, New York, has appointed Lawrence V. Dalton Connecticut sales representative.

Match 'Trust' Suit

—Continued from page 3

thousand times before being consumed, was successfully marketed in the Netherlands and Switzerland before the war, the government asserted, but the Swedish Match Company bought the World patents and, with the knowledge and consent of the American defendants, suppressed them.

The government contends the judgment smashes the cartel by compelling Diamond, subject to certain conditions, to sell matches for export all over the world; by preventing Diamond from selling through Swedish Match and other defendants in foreign markets, and by forbidding Swedish Match, for a period of five years, to sell matches in the United States through Diamond.

On the domestic side, the judgment, by compelling stock divestitures, effects the dissolution of an illegal Diamond-B-F-D-Ohio-Lion combination charged in the complaint.

The Diamond company, in denying the charges, stated that "it consistently fought connivings for a world match monopoly, including the American market." In regard to the "everlasting match" the company said that if it knew of such a "practical, commercial development" it would try to be the first to market it in the United States.

Dayton Chem. Products Laboratories Organized

The Dayton Chemical Products Laboratories has been organized in Dayton, Ohio, by Stewart L. Brams, recently resigned as supervisor of the cement laboratory of the General Motors Inland Manufacturing division. The new firm will do consulting, research and development in all fields of applied chemistry.

Hurlbrink Leaves Reynolds To Open Office in Philadelphia

A. C. Hurlbrink has resigned from the Philadelphia office of Reynolds Metals Company, Richmond, Va., and has been appointed Philadelphia distributor for the company's aluminum pigments. Mr. Hurlbrink has opened offices at 10 South 18th street, Philadelphia, where he plans to represent several manufacturers of related but non-competing materials.

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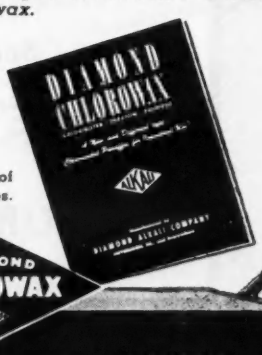

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Ozark Chemical Adds To Sulphuric Facilities

OPD Washington Bureau

The Ozark Chemical Company, wartime operator of the Ozark Chemical Defense Corporation plant at Tulsa, Okla., is extending its present five-year lease of the plant's 200-ton-a-day sulphuric acid unit to include the plant's remaining sulphuric acid unit which has a capacity of 120 tons daily, the War Assets Administration has announced. Ozark Chemical leased the 200-ton-a-day sulphuric acid unit in November, 1945, for a five-year period. As a result of increased demands for sulphuric acid, the company plans to operate the entire facilities of the plant.

Steel Shipping Barrels Output Off in January

Production of steel shipping barrels, drums and pails during January, 1946, remained at about the December levels, with the industry producing 1,697,351 heavy-type barrels and drums, 808,563 light-type barrels and drums, and 4,212,222 steel packages, kegs and pails, according to a report by the Bureau of the Census. This compared with the December production of 1,810,364 heavy-type barrels and drums, 747,276 light-type barrels and drums, and 4,385,048 packages, kegs and pails.

Mathieson to Build Pilot Plant at Niagara Falls

The Mathieson Alkali Works, New York, plans construction of a pilot plant at Niagara Falls, N. Y., at a cost of $150,000. It will be the second recent addition to the company's facilities in that city, a sodium chlorite plant having been completed there last September.

DCAT Executive Committee to Meet

The executive committee of the Drug, Chemical and Allied Trades Section of the New York Board of Trade will hold a meeting May 1.

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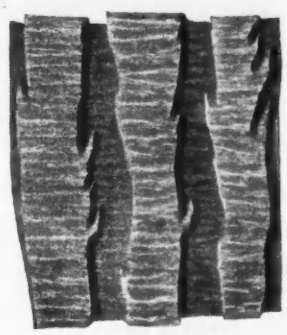

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Returns from Service

Capt. Robert DeLamar has rejoined J. H. DeLamar & Son, Chicago, where he will take charge of the sales of lanolin and organic chemicals. Captain DeLamar has been on duty in Washington with Chemical Warfare Service for two years.

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(Monomethylparaminophenol Sulfate)
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Renold to Do Research On Textile Chemicals

Dr. Adolph Renold, a colloid chemist, has joined the staff of the Institute of Textile Technology for research on textile chemicals, fibers and fabrics.

A native of Switzerland, Dr. Renold was research chemist for the Societe de Chimie Industrielle a Basle, Switzerland, dye manufacturer, from 1936 until 1938. He came to America in 1938 and became a research chemist at the experiment station of the Hercules Powder Company, Wilmington, Del.

In 1939 he did research for the Westvaco Chlorine Company, South Charleston, W. Va., and from 1940 until the present did military research for Western Cartridge Company, East Alton, Ill.

Obituaries

—*Continued from page 4*

William E. Blauvelt, head of the machinery and exporting department of V. & E. Kohnstamm, Inc., manufacturer of extracts and flavors, New York, died in that city April 9. He was fifty-eight years old. Until last October Mr. Blauvelt was head of the beverage, brewery and packing equipment division of the War Production Board.

E. Gordon Goudey, who, in 1918 founded the Goudey Gum Company, after beginning his career with the Beeman Gum Company, died in Wellesley Hills, Mass., April 11. He was eighty-three years old.

Robert F. Joyce, manager of the newly-formed insecticide sales division of Orbis Products Corporation, New York, died in his Brooklyn, N. Y., home April 3. He was fifty-two years old.

Lester L. Savery, manager of the Bridgeport, Conn., branch of the Charles F. Hobbs Paper Company, New York, died at Canaan, Conn., April 9. He was sixty-one years old. Mr. Savery, in 1940, merged the Savery Paper Company, Stamford, Conn., of which he had been president for twenty-five years, with the Hobbs company.

Alphonse D. Weil, former partner in the Paris importing firm of Weil Brothers & Co., and since 1933 president of the Societe des Produits Haughton, industrial oil producer, Paris, died in Paris April 8. He was eighty-two years old.

Brig. Gen. Charles B. Wheeler, Army ordnance chief of staff in the first World War, and former vice-president of the Eaton Paper Corporation, Pittsfield, Mass., died in Wayland, Mass., April 11. He was eighty years old.

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SODIUM SULFIDE
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Textile and Leather Chemicals

Business in the textile and leather chemical market continued restricted by the scarcity of most materials in the list during the week. The tight supply situation, in sizing materials which dominated this market during the season has become more pronounced and the consensus is that conditions are tighter than at any time since the war. The government order in effect since April 1, reducing the corn grind 20 percent caused processors of corn dextrin and starch to cut deliveries to consumers to 60 percent of their 1945 purchases. The sharp decrease in the production of potato starch this season also was another deterrent factor in the supply picture. Starch grinders were unable to obtain sufficient supplies of potatoes in the face of considerable competition from alcohol makers and buyers for the export trade, who purchased potatoes at much higher prices than starch manufacturers could profitably meet. Suspension from ceiling prices for white potatoes will continue for the period beginning April 11 and ending June 26, 1946, it was announced by OPA. Consumers of tapioca flour were bidding at import ceilings for the Brazilian new crop, with producers there showing little interest, if any, at these levels.

Trading in tanning materials was more active in quebracho extract at the higher ceilings. Demand was good and producers at points of origin resumed offerings for shipment at the advanced levels. Other materials were in active inquiry, but business was light owing to the scarcity of offerings at primary centers.

Export licenses are required for ammonia bichromate, ammonia chromate, ammonia dichromate and beryllium salts and compounds, since April 10, according to an order by the Office of International Trade, Department of Commerce.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
288.5	288.5	288.5	279.7

(For Current Prices see page 9)

Chemicals

Bichromates — Consuming demand continued to readily absorb the output. There was little surplus material available and an urgent request for export was said to be unsatisfied. Prices were firm at ceilings.

Soda, Hydrosulphite — Steady demand was noted against current contracts. Market was firm and unchanged at former levels.

Sulphonated Oils — Supplies of sulphonated castor oil and tallow were scanty and makers restricted sales to small lots. Demand was active.

Sizing Materials

Albumen, Egg — Supply situation has improved, but trading was limited, because of the scarcity of sugar. Prices were well maintained at ceilings. Exports of dried eggs totaled 15,533,363 pounds at the f.o.b. cost $16,985,314 during February it was announced by the Department of Agriculture. No shipments were made in January by the department. To meet the export demand, the Department of Agriculture as of March 23, had purchased 28,000,000 pounds of dried whole eggs at $1.11 per pound, in barrels for February delivery, $1.08 for March and $1.05 for April. These prices exceed the support price of 99c. per pound, which was increased to $1.02 per pound on March 22.

Egg Yolk — Demand was reported moderate during the week. Supplies were more liberal, but the volume of sales was affected by the sugar shortage. Prices were well held at ceilings.

Starch, Corn—Tight supply situation has become more pronounced by the government decree reducing the corn grind 20 percent in effect since April 1. This order resulted in processors cutting deliveries to consumers to 60 percent of 1945 purchases. Receipts of cash corn continued scarce and prospects for improvement in the supply situation was unfavorable for the balance of the season. Sales of 161,750 pounds of powdered corn starch were made at 6.52c. per pound, in cartons, in cases, f.o.b. by the Department of Agriculture, March 6. Visible corn supply increased 4,000 bushels to 21,229,000 bushels for the week ended April 6, against 20,132,000 bushels, a year ago.

Starch, Potato—Because of the reduced production, which was sold well ahead, the tight supply situation has become more pronounced. Starch mills were practically through for the season, it was reported, being unable to compete with alcohol manufacturers and the export market for the procurement of potatoes. The latter were purchasing supplies at prices well above those starch grinders could afford to meet. Demand for starch was urgent and unsatisfied. Last reports were that mills were operating at about 10 percent of capacity and producers awaited the outcome of discussions with government officials pertaining to obtaining an increased supply of potatoes.

Tapioca Flour—Trading in this material was reported at a standstill, though consumers were bidding at ceilings for new crop starch without success. Reports Brazil stated that producers there had received higher bids than U. S. import ceilings and therefore showed little interest in offers from American consumers.

Tanning Materials

Chestnut Extract—Production of chestnut extract has declined to a point below the minimum needs of the tanning industry. So serious has the situation become that the January and February, 1946, allocations were cut 50 percent below what is considered the requirements of the industry. Several extract producers have ceased operations and further curtailment of the output was expected. Market was firm at ceilings.

Divi-Divi—While buying interest continued active, business was slow, in view of the scarcity of offers for shipment. Market was firm at the new ceilings. Arrivals were reported at 4,280 bags for delivery on previous contracts.

Mangrove Bark — Recent active trading has satisfied tanners' requirements, with the result that demand has fallen off for prompt and nearby shipments. Offerings were quite liberal. Prices were unchanged and steady. Receipts totaled 6,985 bags and were consigned on former contracts.

Myrobalans—Buying interest has subsided during the past fortnight. Tanners' nearby requirements have been covered by recent trading. Shipments were offered freely and J1 whole was quoted at $55 per ton, and J2 at $50 per ton, exdock U. S. ports. Imports were noted at 13,570 bags at New York during the week for delivery against former orders.

Quebracho Extract—Inquiry continued keen for replacements and trading was reported fairly active for prompt and nearby shipment at the higher ceilings for solid extract. No change in prices of dissolved and ground have been announced as yet. Arrivals totaled 35,180 bags at Atlantic coast ports during the week against prior contracts.

Tara Powder—An improved inquiry and light offers for shipment created a firmer tone. Prices were firm at the new ceilings. Powder was quoted at $125 per long ton, carlots, exdock, U. S. ports, and pods at $87.25 per long ton, same basis.

Wattle Bark—This market continued firm under an active inquiry for replacements. Limited offerings for shipment continued to restrict business. Prices were firmly maintained at ceilings. Arrivals were reported of 249 tons of bark and 6,649 bags of extract at Baltimore during the week.

For Late Market Developments, See Page 4

OPD—4-15-1946

ALBUMENS

WAR FOOD ADMINISTRATION
ACHIEVEMENT

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AWARD

PRESENTED TO THE MEN AND WOMEN OF H. GARTENBERG AND COMPANY PLANT No. 2 FOR THEIR OUTSTANDING RECORD IN THE PRODUCTION OF "FOOD FOR FREEDOM"

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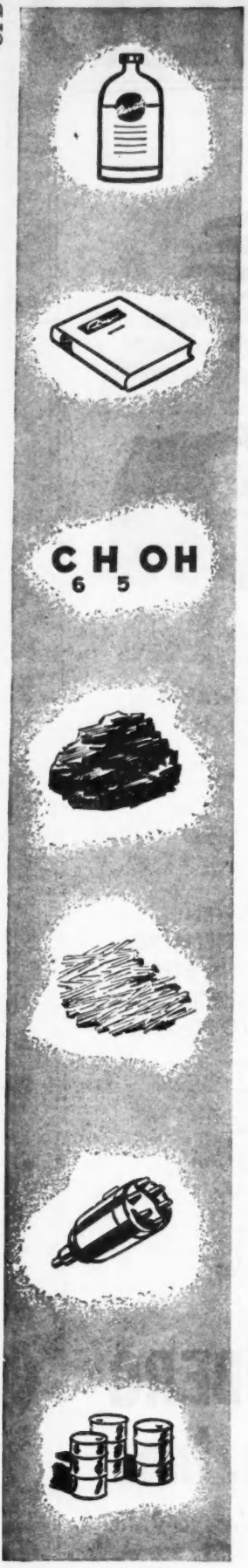
CABLE ADDRESS "GARTEGG"

ALBUMENS

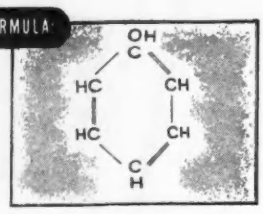
PHENOL



DEFINITION Phenol is a weak acid derived from benzene through the replacement of one hydrogen atom of benzene by the hydroxyl group. It is the simplest member of one of the most important groups of compounds in organic chemistry. Also known as hydroxybenzene, and carbolic acid.

HISTORY: Phenol was discovered in coal-tar by Runge in 1834; Laurent first obtained it in pure crystalline condition in 1841 and named it phenic acid.

FORMULA:



SOURCES: The first commercial source was that fraction of coal-tar which distills approximately from 160°-220°C. This is still an important source but the largest portion of U. S. production is now made synthetically from benzene. Also found in nature as a degradation product of proteins. The proportion of phenol in coal-tar ranges from 0.1% to 1.0%.

CHARACTERISTICS: Chemically pure phenol forms clear, hygroscopic needle-like crystals having a sweet odor. If even slightly impure it assumes a pink color. It dissolves in water and most organic solvents. It is strongly caustic to the skin.

USES: Phenol is used in the manufacture of dyestuffs; in mixtures with cresol for refining lubricating oils; for manufacture of picric acid and other chemicals; also in preparation of medicinal products. Principal use is in phenol-formaldehyde resins for plastics, molding compounds and other synthetic resins.

GRADES: U.S.P. (Natural and Synthetic), pure white crystalline with 40°C minimum m.p.; Technical-light colored, 97% phenol content, with 39° minimum m.p.; Technical—90-92% phenol, minimum m.p. 36°C; Technical—82-84% phenol, minimum m.p. 30.5°C. All grades also sold in liquid form containing 8-15% water.

This is one of a series of advertisements presenting information on basic coal-tar chemicals

THE BARRETT DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.

Barrett

The Barrett Company, Ltd., 5551 St. Hubert Street, Montreal, Que.

ONE OF AMERICA'S GREAT BASIC BUSINESSES

Coaltar Chemicals

So far, the continuance of the soft coal strike has not exerted much influence on the market for coaltar chemicals, aside from stimulating interest from consumers who are endeavoring to hold inventories for the strike's duration. The overall demand was active while stocks have been kept down by the constant call for shipments. The only basic coaltar chemical that was in free supply was toluol and there appeared to be enough of that material to last for some time ahead. Benzol maintained a fair degree of balance with demand and supply well evened off. The heavy plastic demand has tightened phenol. The shortage of cresylic acid is acute and it is doubtful if new business would be accepted at this time. Creosote oil was definitely short. Some suppliers of xylol were in better shape while others were considerably behind contract schedules. Both grades of naphthalene were insufficient to meet requirements. Pyridin was available in limited quantities although stocks are probably lower than at any time this year. Intermediates which are the natural tributaries for the movement of basic products were generally in short supply which made buying of additional lots a difficult proposition.

Steel operations for the week beginning April 8 were scheduled at 78.3 percent of ingot capacity, compared with a revised rate of 87.1 percent in the previous week, according to the American Iron and Steel Institute. A month ago, the indicated rate was 83.6 percent. The present schedule is equivalent to the production of 1,379,900 net tons of ingots and castings, compared with a revised total output of 1,535,000 in the previous week and 1,728,000 tons for the corresponding week in 1945.

Basic Products

Benzol — Buying interest continued active with shipments sufficient to meet requirements on a fairly prompt basis. No excessive stocks reported but enough at present to maintain a satisfactory state of balance. Export demand remained active.

Creosote Oil — Current production has not been able to ease the supply situation and stocks have continued at an exceedingly low level. Demand for wood preservation for farms, railroads and for other industrial uses has kept well above the limit of available supplies.

Cresylic Acid — Remained in very short supply with producers cutting down orders. According to trade reports, no new business is being accepted at the present time. Importations last week amounted to 1,100 drums.

Naphthalene—Present stocks of both crude and refined are insufficient to meet consuming demand. Current conditions are unfavorable for increasing production and the supply situation is definitely tight.

Phenol—Buying interest of sizeable dimensions has prevented any easement in the supply situation. The major demand came from the manufacturers of phenol-formaldehyde resins but there was also an expanding inquiry for industrial chemicals, pharmaceuticals and dyestuffs.

Pyridin — Active demand for the pharmaceutical grade has kept inventories relatively low. Crude stocks have also decreased and there is a limitation on the quantity available. Stocks of this variety were free until the first of the year but production has been seriously interrupted by labor difficulties and at present, the market has assumed a relatively tight position. Meantime, demand from the iron and steel industry has increased for pickling requirements and also from the paint industry where it has been used extensively for underground work.

Toluol — Inventories have remained adequate to meet the current extent of consuming demand. The call for solvent uses has not exceeded normal dimensions and buyers are not finding it difficult to cover requirements promptly.

Xylol—Shipments for lacquer and protective coating uses have made progress in matching demand and the market at present has improved its position somewhat, compared with a month ago. There are some suppliers, however, who are behind scheduled requirements.

Chicago, April 12. — Orders for coaltar bases have been coming through in good volume. In some cases, with steel industry activity again curtailed because of labor trouble (this time in the coal industry) supplies are not large. Benzol showed a firm tone. Ruling prices exclusive of tax were:—Benzol, pure, in tankcars, 15c. per gallon; 10-degree xylol, same basis, 29c.; industrial xylol, same basis, 26c.; 2-degree toluol, same basis, 27c.; solvent naphtha, same basis, 27c.; creosote oil, grade 1, 15½c.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
127.3	127.3	127.3	129.2

(For Current Prices see page 9)

Hydrogenated Solvents

Market conditions have not altered materially so far this month. Cyclohexanone has commanded buying interest for solvent use in cellulose ethers and for several natural and synthetic resins, including the polyvinyl chloride resins. Stocks of this solvent as well as cyclohexanol and cyclohexane have been sufficient to cover requirements without difficulty.

Coaltar Acids

Anthranilic — Maintenance of a steady diversified consuming demand has absorbed production rapidly enough to keep inventories down. The call for use in synthetic resins was said to be increasing. Overall supply position remained tight.

Cleve's—Dyestuffs have taken the major part of current production and there seemed to be little chance of building up inventories. The market was reported firm at former price levels.

Fumaric—No easement in the demand or supply. An exceedingly heavy inquiry was reported for laminating resins and protective coatings and the market appeared bare of excess material.

H—Absence of surplus stocks has made it difficult to secure additional quantities. Production is mostly sold on contracts held by makers of dyestuffs.

Maleic—In about the same position as fumaric acid and moving to the same class of consumers. Short stocks have kept the supply situation definitely tight.

Other Intermediates

Anilin—Some improvement in distribution is reported owing to better production. The outlook was rather uncertain on account of the soft coal strike, but at present the market has bettered its supply position. No easement in consuming demand could be noted.

Diethylanilin — Dyestuff requirements have been covered and other regular consumers have received shipments. The low level of inventories at present has placed a limitation on quantities available for additional wants.

Diphenyl — Supply situation remained tight with prospects favoring short stocks for some time ahead. Orders for limited quantities would probably meet with consideration.

Orthocresol—Definitely tight with buying conditions unfavorable at present. Market almost bare of supplies.

Phthalic Anhydride—Supply short under an active and well diversified demand. The call for shipments for use in synthetic resins and ester-type plasticizers for lacquers was reported heavy. Difficult to increase production at present on account of the stringency in crude naphthalene.

Coaltar Colors

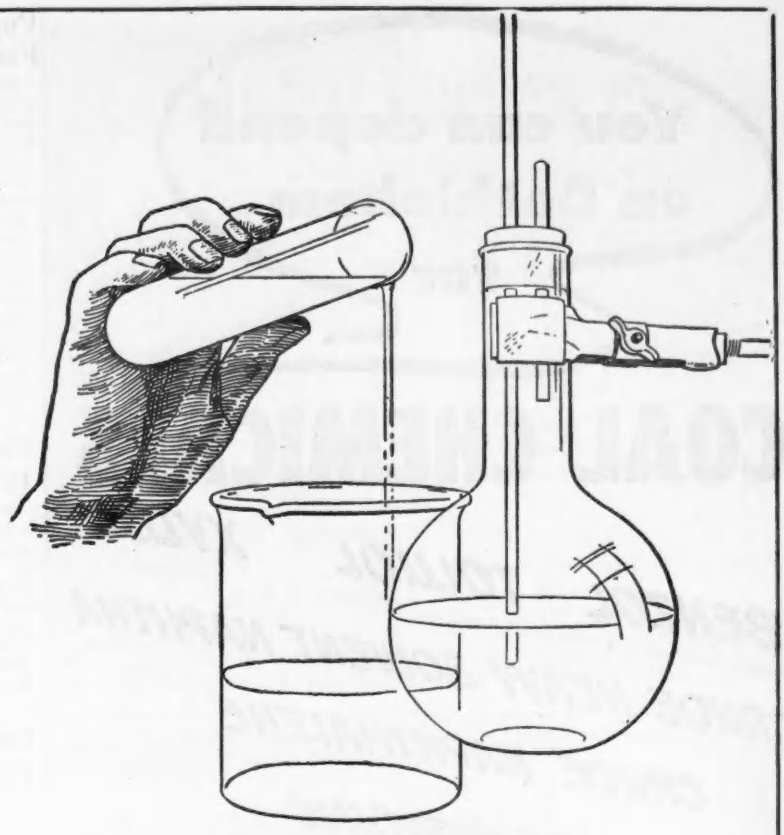
While the tendency of dyestuff production has been toward expansion,

For Late Market Developments, See Page 4

KOPPERS Coal Tar Chemicals

Benzol
Toluol
Xylol
Phenol
Cresols
Xylenols
Cresylic Acid
Frozen Neutral Oil
Tar Acid Oils
Pyridine
Picolines
Lutidines
Quinoline
Naphthalene
Creosote Oil
Sulphate of Ammonia
Phthalic Anhydride

and other coal tar chemicals



OPD—4-15-1946 51

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actual progress has been difficult owing to the stringency prevailing in many basic materials. Buying interest continued active both for home and export consumption and the inventory position has shown relatively little improvement. A disposition to extend commitments was apparent and the market was under constant pressure for supplies.

Cluett, Peabody to Build Research Laboratory

Cluett-Peabody Company, shirt manufacturer, Troy, N. Y., will start construction this month of a $600,000 research laboratory. The new laboratory will contain a number of pilot plants where results of research developments will be tested before being attempted in commercial production.

British Coaltar Products Firm Agent Enroute to U.S.

Richard Siller, of L. A. Sim & Co., coaltar products, London, left England last week for a trip of about four weeks in the United States. While here he will call on the coaltar products trade and will have headquarters at 365 North Central avenue, Ramsey, N. J.

Trade Briefs

Grasselli chemicals department of **E. I. du Pont de Nemours & Co., has moved its Pittsburgh office to 514 Park building.** C. E. Leonard, jr., is manager.

Pennsylvania Salt Manufacturing Company, Philadelphia, has named **Don D. Hoffman** assistant manager of sales in the laundry and dry cleaning division.

R. W. Greeff & Co., chemicals manufacturer, London, has moved its office from Thames House, Queens street place, to 12 Finsbury Circus, London, E.C.2.

Albert L. Gibney, recently returned from the Navy, has been appointed sales promotion and public relations manager of Strathmore Paper Company, West Springfield, Mass.

Protein Base Fibers Rules Meeting April 24

The Federal Trade Commission has called a trade practice conference for the industry engaged in producing and marketing man-made protein base fibers and textiles or the products manufactured therefrom.

Commissioner Lowell B. Mason will preside at the conference, which will be held in the Park Lane hotel, New York, April 24.

The purpose of the conference is to consider and propose for establishment, subject to approval of the commission, fair trade practice rules to provide for recognition and approval of a generic name for man-made protein base fibers or filaments; for the proper identification of these fibers or filaments when used in whole or in part in yarn, thread, strands, fabric, and in textile or other products, and to provide other appropriate trade practice provisions respecting the marketing of such fibers and products.

Fisher Heads Chemical Research for Little

Dr. Austin D. Fisher, formerly with the Barrett division of the Allied Chemical & Dye Corporation, New York, has been named to supervise chemical engineering research for Arthur D. Little, Inc., industrial research firm, Cambridge, Mass. Dr. Bruce S. Old has been appointed to do metallurgical research.

Goodrich Chemical Building New Plant

The B. F. Goodrich Chemical Company, Cleveland, is constructing a plant at Avon Lake, Ohio, where new chemical materials, processes and techniques will be developed and tested on a semi-commercial scale. The plant is scheduled to start operations this Spring.

Gallowhur Absorbs Puratized

The Gallowhur Chemical Corporation, New York, has taken over the assets and liabilities of its subsidiary, Puratized, Inc.

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Pope Honored For War Work

Frederick L. Pope, vice-president of the American Cyanamid Company, New York, has been presented with a War Department Certificate of Appreciation for his outstanding contribution to the war effort. Presentation was made by Major-General Alden H. Waitt, chief of the Chemical Warfare Service.

Mr. Pope, a colonel in World War I, served for many years as chief of the New York Chemical Warfare Procurement District. During the late war, as consultant to the Chemical Warfare Service, he advised on the location of plants to make exacting compounds.

Puerto Rico Economic Report Now Available

The Tariff Commission has issued a report on the economic implications of independence and other proposals to change Puerto Rico's political status. A limited number of copies of this report are available from the United States Tariff Commission, Washington 25, D. C., or from the commission's office in the Custom House in New York City.

Int'l Minerals Plans Fla. Phosphate Plant

The International Minerals & Chemical Corporation, Chicago, plans the immediate construction of a new phosphate mine and plant at Bartow, Fla., to be called the Noralyn mine. The plant is expected to have an annual capacity of 1,000,000 tons and is scheduled to begin operation July 1, 1947.

Trade Briefs

Liquid Fertilizer Company, Monrovia, Cal., has been issued a building permit for the construction of a $20,000 plant in that city.

Davison Chemical Corporation, Baltimore, has purchased the building of the Union Trust Company in that city to centralize its office staff.

To Address Salesmen

Dr. Donald B. Keyes, director of research for the Heyden Chemical Corporation, New York, will address a luncheon meeting of the Salesmen's Association of the American Chemical Industry, to be held in the Roosevelt hotel, New York, April 25.

Syracuse to Open Research Institute

Syracuse University's Institute of Industrial Research, Syracuse, N. Y. the opening of which was planned for next year, will be opened this year. Temporary housing will be built this Spring to take care of new equipment and to give space and facilities for research projects demanding immediate service.

Synthetic Folic Acid Claimed as Anemia Cure

Synthetic folic acid was made available to the public for the first time last week by Lederle Laboratories, a unit of the American Cyanamid Company, New York. The new substance, a member of the vitamin B complex group, is said by the producers to be effective against certain types of anemia.

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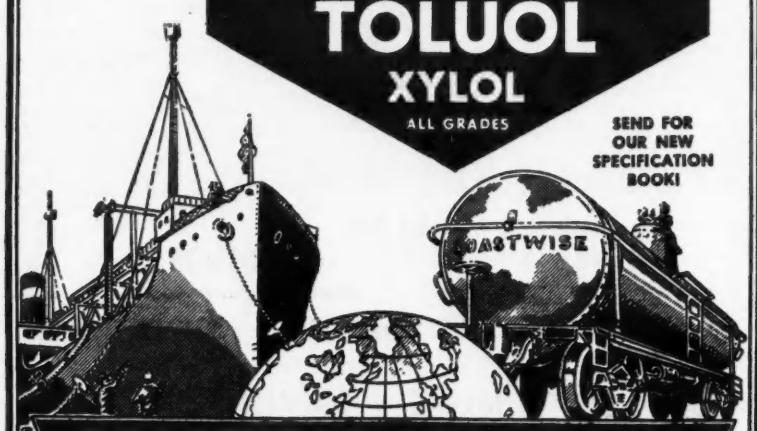

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Agricultural Chemicals

Sales of fertilizer tax tags in March, in the first quarter of this year and in the first nine months of the current fertilizer year, July through March, was at peak levels, according to the National Fertilizer Association. The increases over last year were sufficiently large to make it appear likely that, if labor, transportation and materials are available, total consumption in the current fertilizer year, and also in the calendar year 1946 will be larger than in any preceding year.

Tonnage of superphosphate shipped in February, and also the quantity used in mixed goods, were at abnormally high levels, with increases over last year of 20 and 30 percent respectively. Increases in July-February over last year were 14 percent in shipments and 24 percent in the quantity used in the production of mixed goods.

Department of Agriculture has called a meeting of its Fertilizer Advisory Committee in Washington for Thursday, April 18.

Nitrogenates

Ammonia Nitrate—Buying interest active in the South where demand has exceeded the supply. Production in February was placed at 28,543 tons by the Bureau of the Census. Revised January output was 37,695 tons.

Ammonia Sulphate — Stocks definitely short and forcing cutback in contract shipments. Movement from works falling off. Production in February was 17,855,000 pounds of synthetic, compared with 17,996,000 pounds in preceding month.

Cottonseed Meal—Since Washington will not grant U. S. permits and subsidize price, foreign production is going to Europe. Foreign sellers are not subject to OPA regulations, and there are instances where 40 percent protein Mexican cottonseed meal was offered at $92.50 per metric ton f.o.b. Texas ports in bond. Other foreign offers of cottonseed meal mixed with castor pomace were reported at $25.00 to $35.00 a ton higher than OPA prices, basis N. Y. dock. During May and June, last year, the fertilizer trade was able to acquire several thousand tons of off grade cottonseed meal from Southeastern crushers. There was also a substantial tonnage delivered them in June, July and August. This meal went a long ways toward supplying the 1946 mix. It is apparent that inventories will be sharply less this year on August 1.

Soda Nitrate—No easement from the tight supply position could be noted. Importations and domestic production are moving as rapidly as made available. Total world sales of Chilean nitrate in 1944-45 amounted to 1,436,282 metric tons, an increase of 385,727 tons over the 1943-44 figure, according to the annual report of one of the major producing companies.

Phosphates

Phosphate Rock—Active extent of demand has prevented any easement from the present tight supply position. At present there is not enough material above ground to meet the inquiry for export. Advices from Tunisia state that Tunisian production of phosphate rock in the fourth quarter of 1945 increased to 235,340 metric tons from 174,904 in the third quarter. Output for the year amounted to 706,340 tons, or 39 percent of the average annual production during the three-year period 1937-39. Production in 1944 was 522,265 tons. Stocks on December 31, 1945, included 1,959,069 tons at the mines and 294,410 tons at ports, a total of 2,253,479 tons, which was a slight increase over stocks at the end of 1944. An arrival of 500 tons at New York from Casablanca was noted last week.

Superphosphate — Production and use continued to make new high records in February, according to NFA. Production for February was equivalent to 480,000 tons of 18 percent, an increase of 7 percent over last year and the largest tonnage ever reported for any February. The increase in the July-February period over the corresponding period in the previous year was 17 percent. Stocks on hand at the end of February were 567,797 tons of 18 percent, 3,605 tons of wet base 18 percent, and 7,246 tons of concentrated 45 percent or a total equivalent of 589,517 tons of 18 percent a-p-a.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
71.8	71.8	71.8	71.8

(For Current Prices see page 9)

Potashes

High production maintained in an effort to meet heavy demand. Contract shipments have been taken readily and no resale stock is reaching the market. The discovery of extensive potash deposits in the United Kingdom by an oil company drilling in Yorkshire has been confirmed, according to the British press. No attempts to work the deposits have yet been made, it is stated.

Insecticides

While the carryover of calcium arsenate was of considerable dimensions, production of late has become uncertain through the shortage of arsenic. Whether adequate for the entire season will depend upon labor developments and the extent of infestation. In regard to nicotine sulphate, it is stated that from 500,000 to one million pounds of tobacco stems will be available in Cuba during the next six months, but Cuban law prohibits exportation of tobacco stems. However, there is a possibility that this restriction might be lifted to allow exportation to the U. S. for the sole purpose of manufacturing nicotine sulphate, because Cuban vegetable growers are in urgent need of additional supplies of this insecticide.

DDT is commanding a lot of attention from foreign countries. The Turkish Ministry of Agriculture will conduct experiments on a large scale to obtain results on various crops. Because the material can be obtained at a lower price in the U. S., the Ministry has placed a large order with domestic producers. There is also interest in France for American DDT. Present stocks in Sweden are adequate but, because of high production costs, insecticide manufacturers may import stocks at a later date.

Sulphur and Pyrites

Production of sulphur again exceeded mine shipments in February, according to reports of producers to the Bureau of Mines. Stocks continued relatively high. Output in February registered 286,316 long tons, against 318,722 tons in January. Mine shipments were 264,490 tons, compared with 274,315 tons in January. Stocks on February 28 were 4,063,286 tons, compared with 4,060,461 tons at the close of January. Arrivals of 2,900 tons of UNRRA sulphur have reached Patras for Greek agriculture. The total UNRRA program of sulphur is 11,200 tons with a carryover from 1945 shipments which arrived too late. This will meet the need of Greek vine and vegetable growers for 1946. Pyrites is moving to regular consumers at former price levels.

Fertilizer Tag Sales: March

	Equivalent tons March 1946	March 1945	Jan.-Mar., 1946
Virginia	121,236	101,009	288,463
North Carolina	296,836	292,216	895,197
South Carolina	191,301	196,930	522,510
Georgia	272,831	292,404	687,035
Florida	67,756	73,290	301,484
Alabama	190,600	164,000	507,050
Tennessee	75,720	52,875	159,091
Arkansas	30,450	21,550	71,950
Louisiana	24,450	25,275	91,810
Texas	43,265	35,745	135,552
Oklahoma	6,748	3,600	21,098
Total South	1,316,193	1,258,894	3,681,240
Indiana	44,641	34,556	167 617
Illinois	23,575	16,850	103,008
Kentucky	45,855	29,052	159,938
Missouri	28,984	24,628	107,603
Kansas	728	710	11,209
Total Midwest	143,783	105 796	535,375
Grand total	1,459,976	1,364,690	4,216,615

For Late Market Developments, See Page 4

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Drugs and Fine Chemicals

Sharply higher pricing on podophyllin resin and dibutyl sebacate, plus a decline in quicksilver prices in the Spanish market constituted the leading price developments in the drug and fine chemical market last week.

Alcohol production, withdrawal, and stock data covering the month of February showed that while output of ethyl alcohol and stocks of the same at the end of that month were larger than in January, all other totals were smaller than those covering data on January operations.

Castor oil consumption outran production of oil by a substantial margin. Menthol was steady locally, as also it was in Brazil. Raw material quotas for soapers were reported due to be cut which would mean a further drop in domestic production of glycerin. Good progress with codliver oil production in European waters was reported in trade advices and the idea that replacement prices would drop officially gained strength. Domestic corn refiners face raw material curtailment and, hence, importers of Mexican and Argentine corn syrup expect a rise in trade.

The decline in Spanish quicksilver prices set a landed price on Spanish futures at a level fully $1.50 per flask below the spot price for Mexican mercury—a price that is making the spot market now. Spanish metal has begun to move here once more, there being an arrival here last week. Progress in negotiations between the governments of Cuba and the United States regarding purchase of the next sugar crop was reported.

All save two producers advanced dibutyl phthalate prices, the two exceptions to the general rule holding values unchanged. All prices on dibutyl sebacate were raised but the range of minimum quotations was very wide.

The April penicillin allotment by the Civilian Production Administration was raised for export by about 85 percent. The allotments for domestic civilian consumption in both dosage and injection forms were reduced but the allotment in bulk quantities was upped.

Acid, Citric—Producers do well in supplying this item. Their output takes up demand with satisfactory promptness and on the whole the requirements of buyers are being met very well—excellently, as compared with the situation under acute shortage.

Acid, Tartaric—Some further lots of raw material reached here, being a matter of 250 bags of calcium tartrate from Valparaiso, Chile. Local market conditions remained in status quo. Pricewise, values showed considerable resistance to the tendency of consumers to bid for current requirements. European shipments have dropped to some extent. And complete recovery of European raw material exports to this country will take a long time.

Alcohol—The following data were released last week by the Alcohol Tax Unit, Bureau of Internal Revenue, and compared production, withdrawals, and stocks of ethyl, completely denatured, and specially denatured alcohol in February, 1946, and February, 1945.

Alcohol Data: February

	1946 (Proof gallons)	1945 (Proof gallons)
Production—		
Ethyl	23,823,208	50,606,699
*Completely denatured	406,010	1,248,183
*Specially denatured	9,610,681	38,778,221
Withdrawals—		
	1946 (Wine gallons)	1945 (Wine gallons)
Ethyl,† tax paid	8,681,538	6,463,224
tax free	18,789,997	82,885,450
Completely denatured	415,067	753,644
Specially denatured	10,401,991	41,154,569
Stocks—		
Ethyl†	123,951,174	106,493,632
Completely denatured	27,952	558,258
Specially denatured	17,773,662	16,035,998

* Wine gallons.
† Proof gallons.

These February, 1946, data, when compared with those for January, reveal the following changes, up or down, in the February totals:—

February, 1946, Vs. January, 1946

Ethyl—	**Proof gallons**
Production	306,903 more
Withdrawals, tax paid	599,400 less
tax free	2,898,617 less
Stocks	1,060,477 more
Completely Denatured—	**Wine gallons**
Production	5 8,321 less
Withdrawals	529,901 less
Stocks	81,811 less
Specially Denatured—	**Wine gallons**
Production	1,071 634 less
Withdrawals	112,912 less
Stocks	768,987 less

Market Trends

Prices Advanced

Dibutyl sebacate, 1c. per lb.
Podophyllin, $2.25 per lb.

Prices Reduced

Quicksilver, Spanish, futures, $1.50 per flask.
spot, $1 per flask.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
209.4	209.5	209.2	222.4

(*For Current Prices see page 9*)

Argols—The European situation has improved but slightly when it comes to shipment of this raw material to the United States. Restoration of European vineyards will require large quantities of fertilizers and the world supply of soil revivers is far from requirements. During the war, vineyards suffered badly and no great recovery was achieved since the war ended. Once the vineyards are back in normal production, the recovery of the wine industry should provide ample supplies of argols for export.

Bismuth Metal and Salts—Demand was thoroughgoing, active, and lacking in signs of any substantial change in requirements of consumers of both metal and salts. No surplus of supply was in hand nor was any likely.

Borax — Consumer needs and producers' output seemed rather apart. Production was said to be somewhat behind orders with the result that a substantial backlog of orders has come into existence.

Cadmium — Despite all efforts to conserve metal, the available supply shrinks and it may require further official action to establish equilibrium between availability of metal and its sale.

Castor Oil—Demand for oil outstrips the supply of beans. Despite the fact that arrivals of raw material are running ahead of those a year ago, the call for oil absorbs all raw material arriving and leaves the presses hungry for more. Last week, arrivals totaled 5,048,400 pounds and brought the total since January 1 to 78,089,100 pounds. In the corresponding period last year, total arrivals reached 60,-267,650 pounds.

Reports from Madagascar state that bean production in 1945 increased more than sixfold, while acreage planted gained only about a third over 1944. Production was estimated at about 8,000 metric tons.

Chicago, April 9.—Castor oil prices are: — Cold pressed, U.S.P., 15c. per pound, returnable drums, carlots, 15¾c., drums, less than carlots; tanks, 14¼c.; No. 3, extracted, 14¾c., drums, carlots; 15c., drums, less than carlots; 14c., tanks.

Codliver Oil—Competition has increased considerably. Although open quotations lack quotable change, the idea that the prices might be shaded prevails in local circles. Since new production is well underway in foreign waters, the fact that the spot market holds ample stocks argues for probably lower prices in the future. Prices are under government control abroad and it will require official action to reflect large production through lower prices.

Corn Syrup—Arrivals from foreign parts continue to find ready buyers in this country. Domestic refiners can nowhere near meet consumer requirements and the international situation involving all grains is such as to make remote much chance for a betterment in supply of syrup.

Dibutyl Phthalate—Two producers left prices minimum at 16c. per pound in tanks—the lowest price quoted by anyone. Other producers raised prices from as little as 85/100c. per pound to as much as 4¾c. per pound. Those who advanced prices quoted as low as

For Late Market Developments, See Page 4

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17.8c. or as high as 22c. Each producer had a different price.

Dibutyl Sebacate—The lowest price has been replaced by another which advanced the minimum of spot quotations to the basis of 49c. per pound. As high as 52.7c. was quoted in one quarter.

Emetine Hydrochloride — The New York price remains at $53.50 to $56.50 per ounce backed by a supply conservative in size and not readily to be increased.

Fishliver Oils—Demand absorbs offerings promptly and calls for more. Sales are generally on a future shipment basis since the present large backlog of orders prevents accumulation of spot surpluses.

San Francisco, April 10.—Ample demand continues for all potencies of fish liver oils, but due to short supplies, the market is quiet.

Glycerin—Government officials last week warned that the oils and fats situation was likely to produce a further cut in the quotas of soapers. Such a curtailment of basic raw material could do nothing less than inflame an already highly irritated market; it would mean less soap produced and less glycerin recovered. All of which would seem to suggest that fortunate foreigners who can produce an export surplus of glycerin are likely to find a wide open market here for their future exports.

Chicago, April 9.—Glycerin prices are:—C.p., tanks, 18c.; drums, c.l., 18¼c.; l.c.l., 18¾c.; high gravity, tanks, 17½c. to 18c.; drums, c.l., 17½c. to 18c.; l.c.l., 18c. to 18¾c. Chemically pure, 18c. per pound, tankcars, 18¼c., drums, carlots; 18¾c., drums, less than carlots.

Menthol—The current market was very quiet. Prices proved to be reasonably stable in local circles and to rest on a fairly firm basis—which basis is the well maintained quotations in Brazil. Demand covered immediate requirements for the most part. Consumers of large quantities were still disposed to await further developments in the primary market.

Methanol—February production totaled 185,000 pounds of natural methanol, which compares with 211,000 pounds reported by the Department of Commerce to have been produced in January.

Milk Powder—The Production and Marketing Administration of the Department of Agriculture reported the purchase on March 22 of 685,140 pounds of whole milk spray process powder.

Penicillin—The Civilian Production Administration on April 9 increased the amount which may be exported in April by about 85 percent. The civilian allotment in the U. S., was reduced to 334,250,000,000 units in dosage form, and to 746,925,000,000 units for injection. In bulk quantities, the domestic civilian quota was increased to 127,000,000,000 units. The export quota was set at 700,000,000,000 units in dosage and injection form.

Podophyllin—Prices for resin podophyllin have been advanced sharply to the basis of $10.50 to $10.70 per pound and some sellers reported stocks to be very low. Others said they were not better than fair.

Quicksilver—Spot prices for metal were $104 per flask for Mexican mercury and the domestic article would have to fetch around $108 based on last prices quoted from the American mines. Spanish metal for shipment was reduced to $80 per flask, Spanish ports, which would work out at about $101.50 per flask. Arrivals totaled 700 flasks from Cadiz, Spain, and 660 flasks from Mexico.

San Francisco, April 10.—Short stocks continue to curb trading in the quicksilver market. However, interest was well maintained. Little spot metal was available. Metal was named between $103 and $105 per flask, f.o.b. San Francisco.

Sugar—Presentation of a sugar purchase proposal to the Cuban Sugar Commission by the Sugar Purchase Committee representing the United States was announced April 5 by the Department of Agriculture. Based on recent discussions between the two groups, the salient features in the proposal include (1) the purchase of 1946-47 Cuban sugar crops; (2) purchase of blackstrap molasses and industrial alcohol derived as byproducts of sugar made from these two crops;

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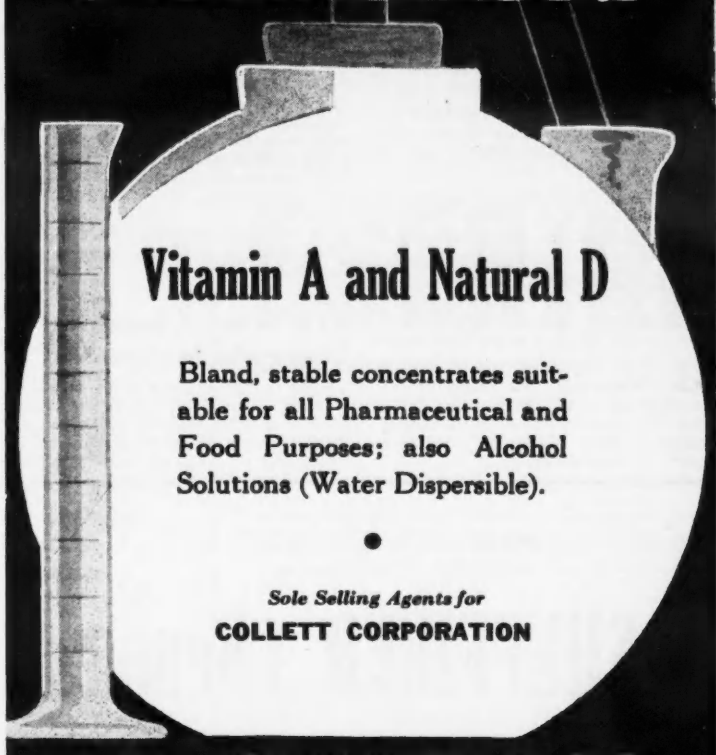

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and (3) guarantees to Cuba on the part of the United States as to quantities of foodstuffs to be delivered during 1946 and 1947.

Trade Briefs

Carroll Dunham Smith Pharmacal Company, Orange, N. J., has moved to its new plant in New Brunswick.

Bristol Laboratories, New York, has elected **Frederic N. Schwartz and Dr. Amel R. Menotti to the board of directors.**

Frailey Industries, Inc., has been organized in New York for the distribution of consumer and ethical specialties in the drug and cosmetic fields.

The Polak Trading Company has moved its offices to 80 Broad street, New York 4, N. Y. The telephone is HAnover 2-0118.

Dr. D. Jayne & Son, Inc., pharmaceutical manufacturer, Philadelphia, has appointed Miss Evelyn Corper domestic and foreign advertising manager.

Adde Company, manufacturer of pharmaceuticals and chemicals, Baltimore, has appointed Alcar Products Company, New York, its exclusive export representative.

Shields Named CCC President

Robert H. Shields has been appointed administrator of the production and marketing administration of the Department of Agriculture, and president of the Commodity Credit Corporation. Jesse B. Gilmer has been named deputy administrator of the production and marketing administration and vice-president of CCC.

Mr. Shields, former solicitor for the department, succeeds John B. Hutson, resigned, in both posts. Mr. Gilmer, who was director of the production and marketing administration's budget and management branch, as well as CCC secretary, succeeds Gayle G. Armstrong, who will be associated with the department in the future as special assistant to the Secretary of Agriculture.

APC Seizes German Copyright Interests

Alien Property Custodian James E. Markham has taken steps to assure American scientists of access to German wartime scientific developments by seizing existing German copyright interests in all German publications issued from 1939 to 1945.

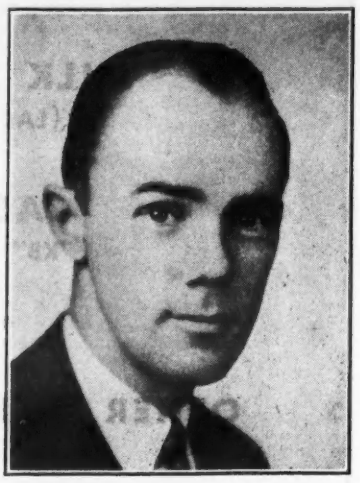
Mr. Markham explained the action was taken to make certain that basic American research needs could be satisfied in the future by reproduction in this country of German books and journals, where original copies were not available from abroad.

The custodian said that after the last war, American scientific and other research personnel were unable to obtain German books and periodicals for study because only limited editions were published in Germany during the war. In the absence of such a vesting, copyright statutes would in many cases prevent the reproduction of the materials, he added.

Winthrop Chemical Opens Philadelphia Office

The Winthrop Chemical Company, New York, has opened a professional service office in Philadelphia, to serve Philadelphia, Harrisburg, Scranton, Wilkes-Barre and Allentown, Pa., and Camden, N. J. William J. Hoeler, for five years assistant manager of the company's Boston office, before entering the Navy, will manage the new office.

Named Traffic Manager



J G. Robison has been appointed traffic manager for the Pennsylvania Salt Manufacturing Company, Philadelphia, succeeding H. L. Crowder, who resigned last week after 30 years' service with the company.

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This means you now have available milk chemicals outstanding in dependable chemical performance—products of the world's largest dairy—and backed by a rare wealth of experience. With SHEFFIELD *Milk Chemicals you profit by three substantial advantages: lower cost . . . highest efficiency . . . broader service.*

"New Process" Casein*★—superior grade industrial casein unusually high in quality and uniformity. Available in 76-lb. multi-wall bags. F.o.b. Norwich, N. Y., Boonville, N. Y., or Vergennes, Vt., as inventory permits shipment. (Gross for Net.)

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DIVISION OF NATIONAL DAIRY PRODUCTS CORPORATION

Forbes Laboratories Buys Borden's Straub Div.

Forbes Laboratories, Inc., of New York and Elgin, Ill., have acquired the business and assets of the Borden Company's Straub Laboratories Division, manufacturers of pharmaceuticals and biological specialties. A newly formed organization, Forbes Laboratories, Inc., will be basic manufacturers of endocrine specialties, organic chemicals and biological preparations, and will continue the line formerly put out under the Straub label.

Officers of the company are C. R. Bunten, president; Richard C. Bruner and Dr. A. W. Turner, vice-presidents. Executive offices are located in Elgin, and sales offices at 350 Madison avenue, New York. Promotion and sales of Forbes specialties will be through the drug trade to the medical profession.

Foster D. Snell Adds J.M. Fain to Staff

Dr. J. Mitchel Fain, recently released as a Colonel in the Air Forces, has rejoined Foster D. Snell, Inc., consulting chemist, Brooklyn, N. Y. He will act as account executive in charge of technical development for a group of manufacturers of chemical specialties.

Dixon Retires as Calvert Drug Co. Sundry Buyer

Norman A. Dixon, sundry buyer for the Calvert Drug Company, Baltimore, has retired after thirty-one years' service with the company. He has been succeeded by Joseph J. Hugg, jr., who was assistant manager before entering the armed forces.

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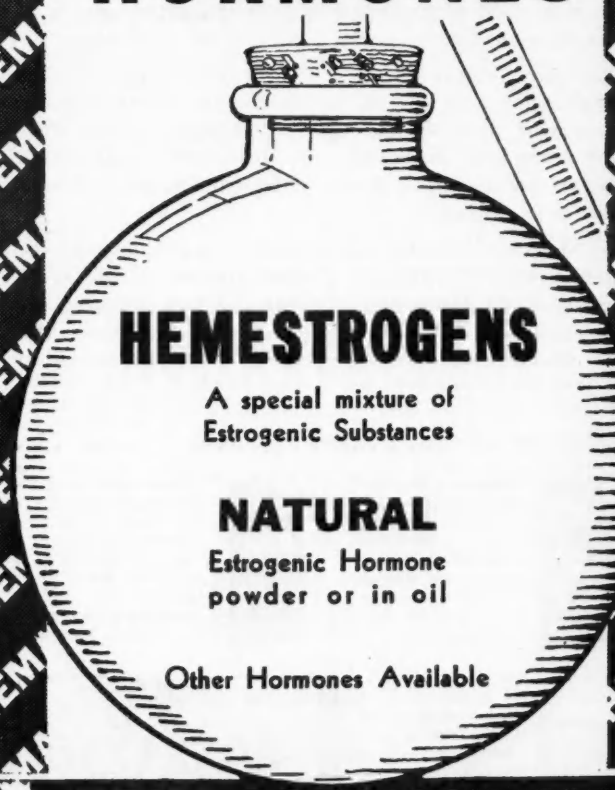

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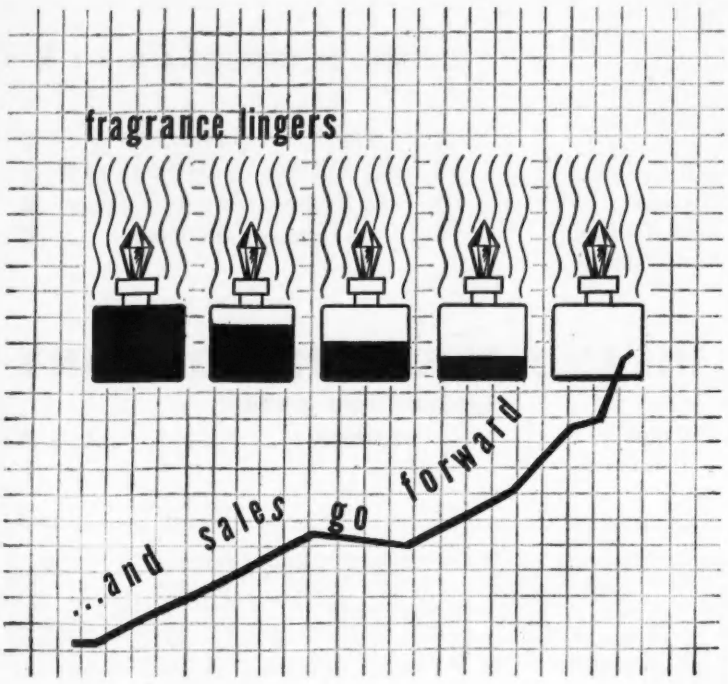

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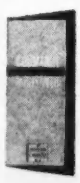

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ACS Meeting

—Continued from page 7

The utilization of chlorine during septization of sewage was reported in a paper by H. Heukelekian, of the sewage research department of the New Jersey Agricultural Experiment Station, at a session of the division of water, sewage and sanitation chemistry. In fresh sewage, nearly all the chlorine demand is due to substances other than sulphides, he said, but in septic sewage 20 to 27 percent of the chlorine demand is due to sulphides, and the remainder due to other reducing substances which react with chlorine.

The forests of the Northeastern part of the United States as an inexhaustible source of chemical raw materials, was reported by Robert S. Aries, of the Northeastern Wood Utilization Council at a session of the division of industrial and engineering chemistry. He described experiments on the use of lignin in fertilizer mixtures and production of yeast and cattle fodder from sulphite waste liquors.

Butadiene from Ethanol

The division also heard description of a system for the rapid evaluation of catalysts for the production of butadiene from ethanol, described in a paper prepared by M. H. Whitlock, G. J. Haddad and E. E. Stahlt, of the Mellon Institute of Research. Charles H. Dedrick and John H. Wills, of the Philadelphia Quartz Company, reported on the value of silicate of soda as a detergent and the effect of single soaps and common builders on suds formation in hard water.

Antimalarial Agents

At a symposium on antimalarial agents, sponsored by the medicinal division, Dr. J. H. Burckhalter, of Parke, Davis & Co., Detroit, reported a new drug, one of a group known chemically as substituted "alpha-aminocresols," which is seventy-five times as active as quinine against chick malaria, and which is expected to be of great value against human malaria.

The medicinal division also heard a report on new compounds displacing pantothenic acid, prepared by Gustav J. Martin, L. J. Lewis and Harold Urist, of the National Drug Company, Philadelphia, and the report of investigations on arylcyclohexanecarboxylic acids by Maryin Rubin and Henry Wishinsky, Wallace & Tiernan Products, Inc., Belleville, N. J. Discovery of a new and inexpensive chemical compound, parent of which is phthalic acid, and which is a highly effective local anesthetic, was reported by M. B. Moore and R. T. Rapala, of Abbott Laboratories, Chicago.

Petroleum Chemicals

The continually increasing use of petroleum as the raw material from which are produced enormous quantities of industrial chemicals was stressed by H. M. Huffman, of the Bureau of Mines, at a session of the division of physical and inorganic chemistry. He offered a long list of compounds used to obtain plastics, insecticides, textiles and many other products.

The physical chemistry division also heard a paper by A. G. Oblad and M. H. Gorin, of the Magnolia Petroleum Company, Dallas, Tex., describe the isomerization of normal butane as catalyzed by aluminum bromide.

The development by the Eastern regional laboratory of the Department of Agriculture of what is believed to be an improved process for manufacturing low-ester pectin, was described in a paper presented by Claude H. Hills and H. H. Mottern of the laboratory before the biological division. An enzyme obtained from tomatoes is used to convert apple pectin to low-ester pectin, they reported.

Research on yeast nucleic acid, to determine its possibilities for prolonging the life-span, was detailed in a paper prepared by Dr. Thomas S. Gardner, Tennessee Eastman Corporation, Kingsport, Tenn., also read before the biological division.

Chemical Education

The universality of scientific investigation was the theme of the sessions of the chemical education division. A close scrutiny of Russian technical literature was advised by J. G. Tolpin, Universal Oil Products Company, Chicago. James W. Perry, of Massachusetts Institute of Technology, said that, in naming organic compounds, the Russians make extensive use of terms having English cognates, so that American chemists need do little more than learn the Russian alphabet in order to understand Russian organic chemical nomenclature.

Awards

Sir Ian Morris Heilbron, professor of organic chemistry in the Imperial College of Science and Technology, University of London, was awarded the Priestley Medal at the opening of the meeting. He is the first foreign chemist ever to receive the award, which cited his "distinguished services to chemistry," particularly his research on vitamins A and D and his contributions to the development of penicillin.

The Borden Company award of $1,000 and a gold medal, for research in the chemistry of milk, was given to Dr. Ira A. Gould, jr., professor of dairy manufacturing at the University of Maryland. Dr. David E. Green, research associate in college of physicians and surgeons, Columbia University, was presented with the Paul-Lewis Laboratories award for enzyme chemistry, consisting of $1,000 and a bronze medal.

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ADMA Prepares for Convention Amusement

For its first convention since the onset of war's restrictions, the American Drug Manufacturers Association is planning "the best entertainment program that the hotel facilities permit." The job of making good will be handled by a committee in charge of S. B. Penick, jr., of S. B. Penick & Co., New York, as chairman; R. B. Magnus, of Magnus, Mabee & Reynard, Inc., New York, as vice-chairman, and A. A. Wasserscheid, of Mallinckrodt Chemical Works, New York, as honorary chairman.

The several aspects of the contemplated program have been put in the hands of groups headed as follows:—

Banquet, M. N. de Noyelles, of Charles Pfizer & Co., New York.

Evening entertainment, R. B. Magnus, of Magnus, Maybee & Reynard, Inc., New York.

Golf, Joseph A. Huisking, of Fritzsche Brothers, Inc., New York.

Ladies entertainment, R. P. Neptun, of S. B. Penick & Co., New York.

Publicity, Gerald S. Furman, of Merck & Co., Rahway, N. J.

Tennis, Gerald S. Furman, of Merck & Co., Rahway, N. J.

Transportation, F. J. Reid, of New York Quinine & Chemical Works, Brooklyn.

The convention will be held May 6 to 9 in the Cavalier hotel, Virginia Beach, Va. The entertainment committee will have a cocktail party the evening of the first day.

Warwick Chemical Assigns Glace to Philadelphia

Kenneth Glace has joined the Warwick Chemical Company, New York, a division of the Sun Chemical Corporation, and has been assigned to its new office in Philadelphia. Mr. Glace recently was discharged from the Army with the rank of Lieutenant Colonel.

Mead Johnson Award To Gonsalus, Snell

Esmond E. Snell, associate professor of biochemistry at the University of Wisconsin, has been named co-winner of the Mead Johnson award of $1,000 from the American Institute of Nutrition, for his work on vitamin B complex research. He will share the prize with Professor I. C. Gonsalus of Cornell university. Mr. Snell conducted research on vitamin B6 (pyridoxine hydrochloride), which has been used by the medical profession in the treatment of pellagra.

Cacao Products Standards Effective Date Postponed

OPD Washington Bureau

A further postponement until December 31, 1946, of the effective date of provisions of the regulations establishing definitions and standards of identity for cacao products has been announced by the Food and Drug Administration.

At the request of the Department of Agriculture, because of the shortage of milk fat, the agency agreed to postpone the effectiveness of Section 14.7 of the regulations which required that milk chocolate contain not less than 3.66 percent by weight of milk fat and that in the dairy ingredients used the weight of the non-fat milk solids is not more than 2.43 times the milk fat therein.

Marvin R. Thompson Names Sales Manager for New York

Dr. Marvin R. Thompson has appointed Gustave Bardfeld, formerly of Eli Lilly & Co., as sales manager for his several enterprises for all five boroughs of New York city. Mr. Bardfeld will manage the sales and distribution of MRT ethical specialties of Marvin R. Thompson, PTA pharmaceuticals and toilet accessories of Paul Thompson Associates, and the "coordinated" hypo-allergenic cosmetic products of Elisabeth Rae-Lamont.

The home office and plant of these enterprises are at 67 Greenwich avenue, Stamford, Conn. New York city offices are maintained at 14 East Fifty-fifth street.

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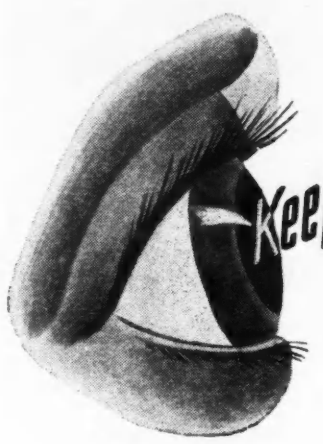

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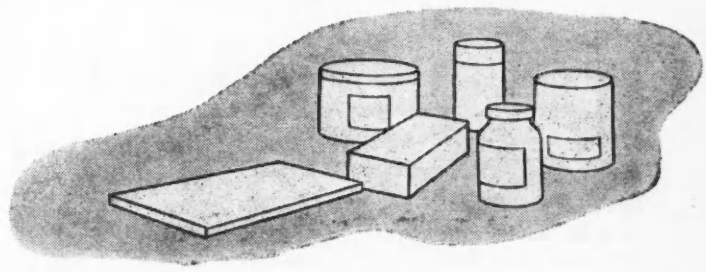

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ARSENIC—242 bbls, American Smelting & Refining Co

BABASSU KERNELS—14,998 bgs, General Food Corp

BALATA—169 bgs, 411 cs, New York Trust Co; 83 cs, 128 bls, 1,467 blocks, H A Astlett & Co; 51 cs, L Littlejohn & Co; 131 cs, 262 blocks, Herman Weber & Co; 205 bls, Earle Bros; 30 cs, Wessel, Duval & Co; 8 blocks, L W Dumont Co

BAUME LEAVES—17 bgs, Peck & Velsor

BEES WAX—83 bgs, Wessel, Duval & Co; 84 blocks, E A Bromund Co; 138 blocks, Campagne Francaise de l'Afrique l'Occidentale

BILBERRIES—1 cs, Amtorg Trading Corp

BONE GLUE—1,000 bgs, Transatlantic Animal Byproduct Co

BONES—819 bgs, Eastman Gelatine Corp

CALCIUM TARTRATE—250 bgs, Tartaric Raw Materials, Inc

CANAIGRE ROOT—243 bgs, F W Berk & Co; 63 bgs

CANARY SEED—1,000 bgs, R T French & Co

CARDAMOM—10 cs, Knickerbocker Mills Co

CARNAUBA WAX—837 bgs, Mercantile Metal & Ore Corp; 300 bgs, Baird Rubber & Trading Co; 375 bgs, Marine Midland Trust Co; 125 bgs, Bank of the Manhattan Co; 63 bgs, R W Cameron Co; 42 bgs, Ultra Chemical Works; 63 bgs, W R Grace & Co; 12 bgs, Brown Bros-Harriman Co; 550 bgs, American Cyanamid & Chemical Corp; 313 bgs, Chase National Bank & Trust Co; 462 bgs, Royal Bank of Canada; 220 bgs, Cornelius Product Co; 1,626 bgs, Fred Henjes jr

CASEIN—105 dms, R F Downing & Co

CASSIA FISTULA—54 bgs, S B Penick & Co

CASTOR BEANS—25,189 bgs, Baker Castor Oil Co; 8,467 bgs, Spencer Kellogg & Sons

CERAMIC COLORS—2 kgs, J E Bernard & Co

CHICLE GUM—105 bls, F Huber & Co; 308 bls, Mexican Exploitation Co; 395 bls, Bank of New York; 43 cs, Simmonds & Grey; 17 cs, C E Ward & Co

CHILLIES—704 bgs, C T Wilson & Co

CHROME ORE—1,500 tons, Amtorg Trading Corp; 4,950 bgs, Frank Samuels & Co

CITRONELLA OIL—1 dm, Chemical Bank & Trust Co; 5 dms, H A Sothern Co; 7 dms, Norda Essential Oil & Chemical Co

COLUMBITE—1,120 bgs, E J Lavino & Co

COPAIBA BALSAM—58 cs, Stern, Morgenthau & Co; 11 dms, S B Penick & Co; 60 cs, Dodge & Olcott Co; insoluble, 30 cs, Dodge & Olcott Co

COTTON LINTERS—1,337 bls, Simons Co; 2,553 bls, Brown Bros-Harriman Co

CRESOL—5 dms, Monsanto Chemical Co

CRESYLIC ACID—315 dms, Lehn & Fink Products Corp; 200 dms, Guaranty Trust Co; 220 dms, American Cyanamid & Chemical Corp; 365 dms

CYMBARUM OIL—89 dms, Otto Gerdau Co

DILLSEED—200 bgs, Balex & Co; 850 bgs, Kachurin Drug Co

DIVI-DIVI—2,050 bgs, Royal Bank of Canada; 1,930 bgs, Vermilye Co; 302 bgs, Tannin Product Export Co

DRIED FLIES—34 bgs, S B Penick & Co; 60 bgs

DYES, ANILIN—15 dms, Sandoz Chemical Works; 8 dms, Ciba Co, Inc

EUCALYPTUS OIL—5 dms, Orbis Product Corp

FENNEL SEED—41 bgs, Knickerbocker Mills Co; 60 bgs, J L Hopkins & Co

FENUGREEK SEED—106 bgs, Otto Gerdau Co; 100 bgs, Gale T German

FLEASEED JACK—125 bgs, Wm M Allison & Co; 45 bgs, Kachurin Drug Co

FUEL OIL—285,000 bbls, Standard Oil Co of N J; 20,000 bbls, Mexican Petroleum Corp

GAS OIL—70,064 bbls, First National Oil Co

GHATTI GUM—57 bgs, Innis, Speiden & Co

GINGER—60 bgs, Frank Tea & Spice Co; 60 bgs, D Hecht & Co; 412 bgs, A G Dunn; 180 bgs, Raphael H Elmaleh; 30 bgs, Van Loan & Co; 80 bgs, Stickney & Poor Spice Co; 260 bgs, Arnhold Export & Import Co; 354 bgs, Joensson & Cross; 45 bgs, Knickerbocker Mills Co; 56 bgs, Victory Shipping Co; 112 bgs, Volkart Bros; 56 bgs, Richard Spitz; 103 bgs, J A Manton Co; 102 bgs, Hoffman Beverage Co; 238 bgs, Otto Gerdau Co; peel, 57 bgs, S B Penick & Co

GLUCOSE—549 bgs, Corn Exchange Bank & Trust Co; 313 cks, Continental Commodities Corp

GLUESTOCK—65 rolls, 131 bls, H Remis & Co; 284 bls, J Garvers

GRAPHITE—500 bgs, Asbury Graphite Mills; 250 bgs, Charles Pettinos

GYPSUM—6,000 tons, United States Gypsum Co

HEMPSEED—250 bgs, S M Wolff

GUM—192 cs, L Littlejohn & Co; 220 cs, H A Astlett & Co

HENBANE LEAVES—6 bls, Amtorg Trading Corp

IPECAC ROOT—5 bgs, Wessel, Duval & Co; 10 bgs

IRON OXIDE—250 bbls, C K Williams & Co; 147 bgs, Reichard-Coulston, Inc; 209 bbls, J Lee Smith & Co

JABORANDI LEAVES—102 bls, Inland Alkaloid Co

KARAYA GUM—134 bgs, Gold Medal Haarlem Oil Co; 134 bgs, Paul A Dunkel & Co; 333 bgs, Thurston & Braidich; 617 bgs, Innis, Speiden & Co; 200 bgs, Wessel, Duval & Co; 583 bgs, Wm M Allison & Co; 134 bgs, S B Penick & Co; 67 bgs, Lasseen Co, Inc

KINO GUM—5 bgs, S B Penick & Co

KOLA NUTS—46 bgs, D Steengrafe & Co; 114 bgs, R J Prentiss & Co

LAC REFUSE—300 bgs, The Parks Co;

LAMPBLACK—980 bgs, Baker, Irons & Dockstade, Inc

LAVENDER OIL—25 cs, Amtorg Trading Corp

LEMONGRASS OIL—14 dms, H A Sothern Co

LIME FLOWERS—194 bls, Amtorg Trading Corp

LOCUST BEAN GUM—100 bgs, Innis, Speiden & Co; 150 bgs, Stein, Hall & Co

LOGWOOD EXTRACT—111 cks, American Dyewood Co

MAGNESIA CARBONATE—30 cs, McKesson & Robbins; 100 bgs, Schofield-Donald Co, Inc

MAGNESITE, CALCINED—3,012 bgs, Golwynne Chemical Corp

MANGANESE ORE—5,000 tons, E J Lavino & Co

MANGROVE BARK—6,985 bgs, Barkey Importing Co

MARJORAM LEAVES—195 bgs, C T Wilson & Co; 1,006 bgs

MASSARANDUBA GUM—19 cs, L Littlejohn & Co; 1,139 blocks, New York Trust Co; 706 blocks, Anglo American Hide Co; 38 cs, Chicle Development Co; 14 cs, Simmonds & Grey

MICA—262 cs, Ford Radio & Mica Corp; 180 cs, Mineral Insulation Co; 134 cs, A O Schoomaker Insulation Co; 35 cs, Asheville Mica Co; 10 cs, American Mica Works; 109 cs, Eugene Munsell & Co; 112 cs, J F Garneau Co; 14 cs, Chase National Bank; 105 cs, Vilco, Inc; 127 cs, United Mineral & Chemical Co; 20 cs, H G Brake; block, 9 cs, Cornelis & Suhr; 36 cs, American Mica Works; 5 cs, Whittaker, Clark & Daniels; splittings, 62cs, Cornelis & Suhr; 80 cs, Whittaker, Clark & Daniels

MINT OIL—1 dm, Magnus, Mabee & Reynard

MONAZITE SAND—2,300 bgs, C Tennant Sons & Co

MOSS—40 bgs, S B Penick & Co; 39 bgs, Kachurin Drug Co

MYROBALANS—3,840 bgs, Bingham & Co; 6,400 bgs, Barkey Importing Co; 6,204 bgs, Vermilye Co

NAPHTHENIC ACID—45 dms, Oil & Chemical Products, Inc; 1,250 bbls, Standard Oil Co of N J

NUX VOMICA SEED—801 bgs, Volkart Bros

OLIBANUM GUM—200 bgs, Tragacanth Import Co

ORANGE OIL, BITTER—10 cs, Fritzsche Bros; 9 cs, Magnus, Mabee & Reynard; 12 cs, J A Manton Co

PAPAIN—14 cs, R J Prentiss & Co; 14 cs, S B Penick & Co

PAPRIKA—200 bgs, Durkee Famous Foods; 300 bgs, F H Leggett & Co; 300 bgs, A G Dunn; 50 bgs, Robert Marmorek; 100 bgs, Gallagher & Asher; 200 bgs, Victor M Calderon; 50 bgs, Archibald & Kendall, Inc; 500 bgs, Ludwig Mueller & Co; 605 bgs

PEPPER—237 bgs, National City Bank

PERILLA GUM—61 bgs, Earle Bros; 594 bgs, Chicle Development Co

PETROLEUM, CRUDE—107,535 bbls, Barber Asphalt Co; 396,566 bbls, Standard Oil Co of N J; 101,995 bbls, Cities Service Oil Co

PHOSPHATE—500 long tons, War Shipping Ad

PIMENTO LEAF OIL—15 dms, Geo Lueders & Co; 8 dms, Magnus, Mabee & Reynard; 1 dm, Gale T German; 2 dms, P R Dreyer

PINENEEDLE OIL—1 dm, Nydegger Transport Corp

POTTERS COLORS—3 cks, 2 cs, American Express Co

PYRETHRUM FLOWERS—500 bls, S B Penick & Co; 750 bls, John Powell & Co; 500 bls, Gulf Oil Co; 999 bls, United States Commercial Co

QUASSIA CHIPS—600 bgs, S B Penick & Co

QUEBRACHO EXTRACT—3,370 bgs, International Product Corp; 6,190 bgs, Tannin Product Export Co

QUICKSILVER—60 flasks, Mercantile Metal & Ore Corp; 200 flasks, C P Hull Co, Inc; 400 flasks, Metal Traders, Inc; 700 flasks

RESIN, VEGETABLE—60 cs, Chicle Development Co; 100 cs, H A Astlett & Co; 200 cs, Earle Bros; 100 cs, Herman Weber & Co; 203 cs, Astoria Peruano S A; 494 cs, Ortis Astoria Corp

RICE ROOT—205 bls, Otto Gerdau Co

ROSADINHA GUM—18 cs, Ortis Astoria Corp; 114 cs, L Littlejohn & Co; 50 cs, Earle Bros

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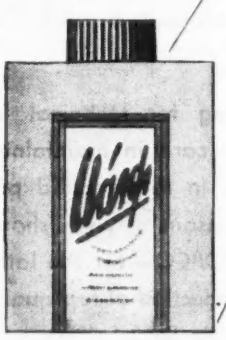

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ROSIN—428 bbls, Trade Bank & Trust Co

SAGE LEAVES—371 bls, Becker Mayer Seed Co, Inc

SAGE OIL—10 dms, Dodge & Olcott Co; 20 dms, Dino Luzzatto

SAFFRON—12 bgs, 1 cs

SARSAPARILLA ROOT—15 bls, National City Bank; 9 bls, S B Penick & Co; 9 bls, Peek & Velsor; 3 bls, Russel Howe; 5 bls, Otto Gerdau Co; 16 bls, S B Penick & Co

SEEDLAC—100 bgs, P N Rowe; 585 bgs, Wm Diehl & Co; 250 bgs, Mac Lac Co; 300 bgs, United Shellac Co; 300 bgs, Schwab Bros Co

SESAME SEED—5,080 bgs, New England Trading Corp

SHARK LIVERS—5 dms, J E Brenner Corp

SHARK LIVER OIL—10 dms, Wilbur Ellis Co

SHELLAC—400 bgs, Wm Diehl & Co; 385 bgs, Dings & Schuster; 700 bgs, P N Rowe; 700 bgs, Mac Lac Co; 1,195 bgs

SORVA GUM—255 cs, H A Astlett & Co; 217 cs, L Littlejohn & Co; 100 cs, F Lester Kittle; 153 cs, Commercial National Bank & Trust Co; 32 cs, Simmonds & Grey

STEATITE—100 bgs, Whittaker, Clark & Daniels

SULPHONIC ACID—1 cs, H A Gogarty, Inc

TALC—10,200 bgs, Whittaker, Clark & Daniels; 2,400 bgs, Moore & Munger; 2,940 bgs, C B Chrystal & Co, Inc; 800 bgs, L A Salomon & Bros

TAPIOCA FLOUR—2,490 bgs, Stein, Hall & Co; 5,700 bgs, Morningstar-Nicol, Inc; 2,334 bgs, Sino Java Handel Co; 667 bgs, Bush Terminal Co; 317 bgs, United States Commercial Co

TEAWASTE—344 bgs, Maywood Chemical Co

TI TREE OIL—1 dm, Colgate-Palmolive-Peet Co

TOLU BALSAM—100 cs, Magnus, Mabee & Reynard

TONKA BEANS—11 cs, Kennedy, Butcher & Co

VALERIAN ROOT—25 bls, Amtorg Trading Corp; 60 bls, Peek & Velsor

VANILLA BEANS—10 cs, McCormick & Co

VERMICULITE—1,672 bgs, National City Bank

WOLFRAM ORE—500 bgs, W R Grace & Co

WOOL GREASE—28 dms, Orbis Product Corp; 150 dms

WORMWOOD LEAVES—20 cs, Amtorg Trading Corp

YACCA GUM—299 bgs, Chase National Bank & Trust Co

ZINC CONCENTRATE—2,061,294 lbs, J Henry Schroeder Banking Corp; 5,343,062 lbs, W R Grace & Co

Baltimore Imports

CHROME ORE—4,391 tons, Frank Samuels & Co

MANGANESE ORE—1,100 tons, Leonard J Buck, Inc

MICA WASTE—500 bgs, Richard Mica Corp

TAPIOCA FLOUR—500 bgs, First National Bank

Boston Imports

CASEIN—224 bgs, Swift & Co; 3,700 bgs, First of Boston International Corp

MICA—105 cs, Vilco, Inc

QUEBRACHO EXTRACT — 14,700 bgs, International Product Corp; 7,967 bgs, Tannin Product Export Co

Philadelphia Imports

BONES—1,537 bgs, American Agricultural & Chemical Co

CARNAUBA WAX—188 bgs, T G Cooper & Co

GLUCOSE—95 cs, Grocery Store Product Co

ROSEWOOD OIL—6 dms, Thompson Mahogany Industries

QUEBRACHO EXTRACT—2,061 bgs, American Dyewood Co

Norfolk Imports

QUEBRACHO EXTRACT—6,823 bgs, Tannin Product Export Co; 2,040 bgs, American Dyewood Co

Stepan Chemical Names Hiler Research Head

Malvern J. Hiler has become associated with the Stepan Chemical Company, Chicago, as director of research and chemical development. His work will involve setting up and organizing an organic chemicals research laboratory for expansion of the company's chemicals, and the development of new organic chemicals and compounded specialties. Mr. Hiler was Chicago district manager for Sharples Chemicals, Inc., Philadelphia, during the past five years.

Sharples Chemicals Appoints Bare Chicago District Head

Bruce M. Bare has been named Chicago district manager for Sharples Chemicals, Inc., Philadelphia. He recently returned to the company after service with the Chemical Warfare Division and later the Air Corps.

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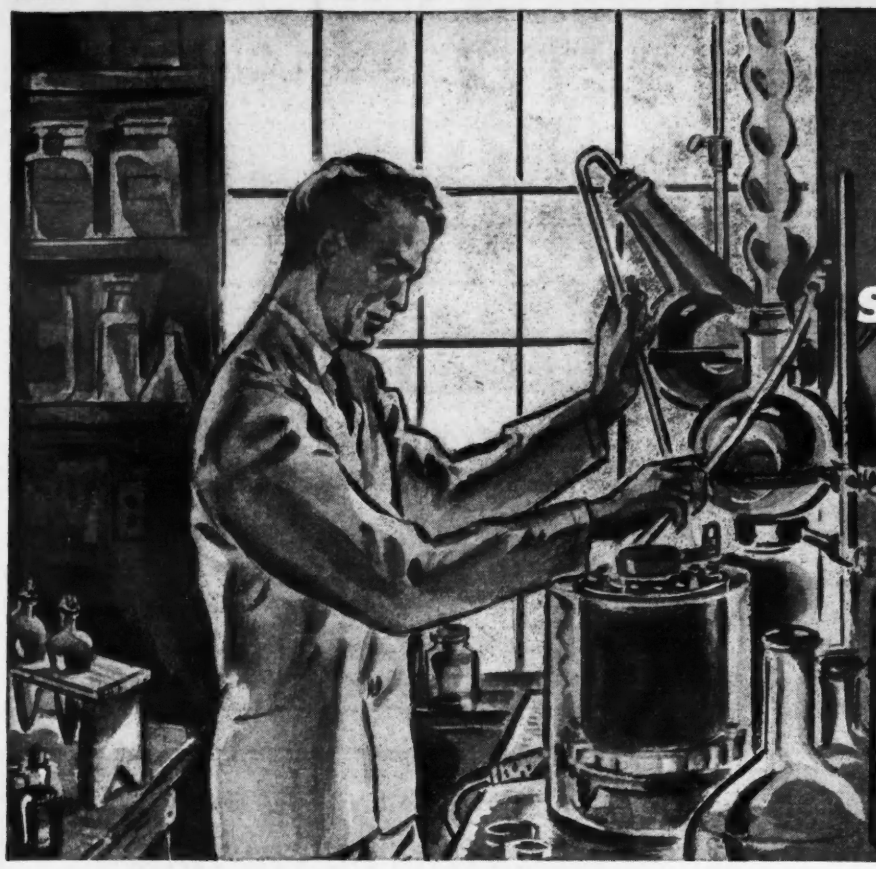

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Botanical Drugs, Spices, Gums

Except for the entirely to be expected demand for botanical drugs whose consumption normally shows growth in the Spring, activity in the market last week covered the market thinly and incompletely. The total of all transactions was on the light side and said total was built of demand that passed by many botanics.

In spite of the non-expansive character of demand in general, prices on medicinal drugs tended upward definitely. Revaluations at higher price levels were clear evidence of the fact that (1) stocks of many items are light to nil, and (2) prices that will have to be paid at the source will probably be close to the high levels prevailing in 1945.

Visitors in New York last week included factors direct from the southern mountain states whence come most domestic botanicals. Though the season for collection has barely arrived, nothing in the south suggests now that the 1946 crop can be secured by means other than high prices being paid to an insufficient supply of field labor—which to the visitors does not spell normal or near to normal supplies.

Foreign botanical market conditions improve but slowly except where the Russians have a hand. Last week, a former Hungarian exporter of botanics reestablished mail connection with New York, having just returned to Budapest after German enslavement. This man seeks to reestablish trade but, says he, "In this country, normal conditions are returning but very slowly and for the present our exchange of letters would be but of an academic value." The Hungarian idea of paprika value is 75c. per pound. And in New York, the best paprika stands at 44c.

The situation just outlined is typical of conditions and views held generally through the country from whence come botanical drugs. Except where Russia is concerned. And the Russians are well posted.

Balsams

Fir—Canadian balsam was higher at $19 per gallon, while Oregon balsam was available at the lower level of $2.35.

Peru—In firmer hands and selling at an advance to $1.25 to $1.30 per pound.

Tolu—One quarter has received substantial shipments. Another arrival last week totaled 100 cases. Despite this, prices continued to rise and the market last week was $2.35 to $3.40 per pound.

Barks

Cinchona—Before long, cinchona bark should begin to move from the Dutch East Indies. Granted success to the present talks in Holland between government officials and Indonesian representatives, restoration of international trade in bark would likely rate high on the export agenda at Batavia.

Elm—There is reason to doubt that much export business has been done for later shipments to European points. Local dealers fail to report any substantial foreign approach to this market.

Imports Detained by FDA

Week Ended April 5

New York

Cassia, 800 bales: insect infested.
Cassia oil, 4 drums: not USP.
Corn silk, 118 bags: insect infested.
Codlivers in tins, 275 cases: short weight.
Coriander seed, 250 bags: filthy.
Digitalis, pulverized, 1 case: potency exceeds USP limits.
Horehound herb, 8 bales: insect infested.
Marjoram, 208 bags: water damaged.
Mace, 91 packages: insect infested, filthy-excess siftings.
Nutmegs, 474 bags: moldy and wormy.
Oil, ocotea cymbarum, 50 drums: drums not properly stencilled.
Rose leaves, 250 packages; filthy.
Stramonium leaves, 26 bales: filthy.

Buffalo

Balm of gilead buds, 257 bags: moldy.

Market Trends

Prices Advanced

Drugs

Fir, balsam, Canadian, 50c. per gal.
Kava kava root, 3c. per lb.
Ladyslipper root, 10c. per lb.
Peru balsam, 15c. per lb.
Queen of the meadow, 1c. per lb.
Sarsaparilla root, domestic, 10c. per lb.
Skunk cabbage root, 5c. per lb.
Tolu balsam, 5c. per lb.
Wild indigo root, 2c. per lb.
Xanthorrhiza root, 4c. per lb.

Other Articles

Celery seed, Indian, 1½c. per lb.
Fennel seed, Argentine, 5c. per lb.
Mustard seed, Danish, yellow, ¼c. per lb.

Prices Reduced

Drugs

Fir balsam, Oregon, 15c. per gal.
Orris root, Portuguese, 3c. per lb.
Rhatany root, 2c. per lb.
Snake root, Canada, 15c. per lb.

Other Articles

Caraway seed, Danish, 8c. per lb.
Dutch, 1c. per lb.
Coriander seed, Morocco, ½c. per lb.
Cumin seed, Indian, futures, ½c. per lb.
Persian, ½c. per lb.
Mustard seed, Montana, oriental, ¼c. per lb.
Poppy seed, Argentina, 1c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
278.2	278.2	279.4	235.7

(For Current Prices see page 9)

Beans

Calabar—Two lots are believed to be engaged to come to this market. One such is of long standing and the potential receiver has no idea when the engaged goods will arrive here.

Tonka—Routine demand was fairly active, giving major support to the over-all situation and tending to keep competition well confined. Primary market prices were very steady.

Berries

Cubeb—Political relations between Holland and the Netherland East Indies have reached a point where there is real reason to think that importers will succeed in getting some cubeb berries started toward this market.

Saw Palmetto—There is doubt that labor will be willing to bring in normal quantities of this berry and the present stocks unsold in the primary market are negligible. They are not large on the spot.

Flowers

Chamomile—Last year, Argentina shipped this item to Europe. It remains to be developed that Europe can return to its position of the principal exporter to the world this year. At the moment, none but Hungarian type flowers from the Argentine are available.

Saffron—From Vera Cruz, Mex., came 12 bags of this article. And from Valencia, Spain, came 1 case to a market virtually nominal around $42 per pound—if and when obtainable.

Gums

Benzoin—Neither Sumatra nor Siam natural benzoin gum was obtainable. Only a substitute for Sumatra gum was in hand and reports indicated a very good interest prevailing in said item.

Camphor—San Francisco and the Pacific Coast operators generally preserve silence with regard to natural camphor recently offered them by Shanghai merchants. It was said here that the first offerings to be made from Formosa, world center for natural camphor production, will likely be made by Chinese sources, probably through the Bank of China.

Olibanum—About 200 bags reached here from Bombay, India, and the market was slightly easier as the result of the limited increase in unsold spot stocks.

Herbs and Leaves

Henbane—Russian leaves continued to reach this market, the latest arrival from Odessa being six bales. The market recently assumed a more competitive position and further recession in price was expected in some quarters.

Queen of the Meadow—Some quar-

Late Market Developments, See Page 4

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- ☐ Gentian Root
- ☐ Ginger, Jamaica, Calicut, African
- ☐ Gum Arabic Amber Sorts
- ☐ Gum Karaya, Whole and Powder
- ☐ Horehound Herb
- ☐ Juniper Berries
- ☐ Kamala Powder
- ☐ Orris Root
- ☐ Quince Seed
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ters have advanced prices to a minimum of 15c. per pound but others continue to retain spot offerings at 12c. per pound. The latter report very little interest thereat.

Senna — Primary market cables show that the market there is very firm at the recently advanced prices. Local advances have been fully maintained and at the moment practically no competition can be found.

Wormwood — Russia has resumed shipping this material and from Odessa came 20 cases last week—the first arrival to be noted over a long period of time.

Miscellaneous

Cassia Fistula—Stocks rose by 54 bags that arrived last week from Grenada. The market was more than reasonably easy at 52c. to 53c. per pound—which seemed subject to shading.

Corn Silk—Some of the long expected material arrived from foreign parts last week and was detained by order of the Food and Drug Administration, which body found the goods to be buggy.

Roots

Aconite — Two lots from separated points came in last week. One was 60 bags from Barcelona, Spain, and the other 30 bales from Odessa, Russia.

Ipecac—Import reports mentioned 5 bags coming from Cartagena and 10 bags from Tampico, Mexico. Practically no reserve of this root exists among dealers.

Kava Kava—The market was moderately higher at 28c. to 30c. per pound and absence of liberally sized stocks tended to strengthen the entire situation.

Ladyslipper — Sales were made at $1.45 to $1.50 per pound last week and it was very difficult to get a prompt delivery at any price. Collection should be stimulated by presently prevailing prices.

Orris—Portuguese root was shaded to 45c. to 47c. per pound under competition in a rather slow spot market.

Rhatany—Competition was more active and under its pressure spot goods sold down as low as 13c. to 14c. per pound.

Serpentaria—The spot was purely nominal at $2.25 per pound. At least that would be obtained if goods were actually in hand. Some of the largest operators have nothing.

Skunk Cabbage—The article is just about approaching new crop season and finds the spot market lacking in more than token offerings of last year's production. Such goods were priced at 45c. to 50c. per pound.

Snake — Canada snake root was much lower at 65c. to 70c. per pound and local dealers appeared disposed to compete on a price basis during the past week.

Spikenard — Minimum quotations were 48c. per pound but some reliable dealers wanted 55c. per pound and reported sales thereat. Competition seemed independent of this market last week.

Valerian — From Odessa, Russia, came 25 bales last week, in addition to 60 bales reaching here from Bombay, India. And still no spot offerings of the desirable Belgian root were available.

Wild Indigo—The few users of this item may thrill to the news that no spot root is available under 22c. to 25c. per pound.

Xanthorrhiza—Few have much and many have none. Result, a higher spot market at 28c. to 30c. per pound.

Yellow Dock—Some quarters have raised prices to 38c. per pound and all indicate a very firm undertone. But quotations remained minimum at 35c.

Seeds

Anise—Mexican seed in firm delivery position was short lived. Prices returned to a nominal basis but stayed at 34c. per pound.

Caraway—Danish seed was reduced sharply to 35c. to 36c. per pound; Dutch seed, spot, 37c. to 38c. Futures were weak.

Celery—Spot Indian seed was higher at 23½c. to 24c. per pound and futures were also advanced, reaching 25c. to 25½c.

Coriander—Morocco seed was shaded to 8½c. to 9c. per pound.

Cumin—Indian seed in future arrival position stood at 33½c. to 34c.

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(To be continued)

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per pound, being a fractional decline. Persian, down to 36c. to 36½c.

Dill—An arrival totaling 1,030 bags was reported.

Fennel—An arrival of 31 bags from Valparaiso, Chile, came just as Argentine seed on spot advanced to 32c. to 32½c. per pound.

Mustard—Danish yellow was a fraction higher at 25½c. to 26c. per pound. Montana oriental seed was shaded to 11½c. to 12c.

Spices

Cassia—Import controls on cassia, cassia buds, and vera cassia, whole or ground, have been removed by order of the Department of Agriculture. The order was effective April 8, and was an amendment to WFO 63

Cinnamon—Although some had expected import control to be removed from this item, said control has been retained. The 5c. per pound granted and made known to the trade late in March has now gone into effect. The new prices were printed in OPD on April 1.

Clove—Zanzibar spice was down to 17c. to 17½c. per pound, and Madagascar material was off to 16½c. to 17c.

Ginger—Some think no African root will be sent to the United States. Others think the opposite. London operators were still without offerings, caused by the crop not being gathered after the heavy rejections of arrivals here of the previous crop. From Kingston, Jamaica, came 2,138 bags last week.

Pepper—The awaited rise in ceilings on ground black and white pepper have been announced by OPA. Effective April 10, the ceilings on bulk black pepper became 18¾c. per pound; it had been 12c. White pepper ceiling became 28¾c. Consumer sizes were increased 9c. per pound on ground black pepper, and 12c. on ground white pepper over the March, 1942, ceilings that had governed hitherto. The advances were authorized to offset increases of 3½c. for black pepper, and 11½c. for white pepper made in raw material costs since the GMPR was established as of March, 1942.

McCormick & Co. Elects G.D. Reed to Board

G. Douglas Reed has been elected a member of the senior board of directors of McCormick & Co., manufacturer and importer of spices and disinfectants, Baltimore. He is plant superintendent in charge of buildings, machinery and equipment in Baltimore and the company's branch plants.

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Essential Oils, Other Aromatics

Market Trends

Prices Advanced

Cedarwood oil, 10c. per lb.
Lime oil, exp., W.I., 50c. per lb.
Palmarosa oil, 25c. per lb.
Sassafras oil, 13c. per lb.

Prices Reduced

Peppermint oil, nat., 10c. per lb.
redist., U.S.P., 10c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
216.9	216.8	219.3	217.2

(*For Current Prices see page 9*)

Buying interest continued at fairly steady levels in the market for essential oils and aromatic chemicals last week. Aromatic chemical manufacturers were again faced with the shortage of certain basic coaltar raw materials as the result of the soft coal strike. Some of the amyl compounds were expected to be affected eventually by the cut back in the production of alcohol by certain producers. Price developments were not numerous, the most important change occurred in peppermint oil, which was offered at slightly lower prices in one quarter of the market.

The government order last December requiring the sale of 40 gallons of RFC alcohol for each 60 gallons of new production has cut down the recovery of fusel oil used in processing isopropyl alcohol and amyl compounds. While no direct repercussions have been reported as yet, it was indicated that in another thirty days, the lower alcohol output would be reflected in the manufacture of these compounds.

Offerings of surplus stocks of government-owned Sicilian lemon oil, placed on sale March 15 by the Department of Agriculture at the ceiling level of $2.92½ per pound, were expected to be made to importers after the rights of certain classes of purchasers were provided for under the surplus disposal act. The acceptance of orders terminated at midnight April 8.

It was reported that a shipment of 50,000 tons of sandalwood will arrive here, and distillation from this material would total approximately 3,000 pounds of oil. Sellers have a large backlog of orders on the books, however, and do not expect to fill all orders on hand promptly. Any new bookings taken at this time would have to await shipment sometime in June or July at the earliest.

Spot prices for Brazilian sassafras oil advanced. It was pointed out that a recent offering of ten tons has been made from South America at $1.20 per kilo or about 68c. per pound for May-June shipment, subject to confirmation. The stocks of Ocatea Cymbarun located along the rivers in Brazil, where they can be easily cut and shipped has been depleted in recent years, and it is necessary to go further into the interior to cut down trees. It has been difficult to obtain labor and, if so, the costs for cutting and shipping would be higher under these conditions.

Essential Oils

Almond—Offerings of bitter and sweet oil were adequate to meet nearby requirements, and market position underwent little change.

Anise — Buying interest remained narrow, and stocks were only moderate. Quotations ranged from $3 to $3.50 per pound.

Bergamot—While spot stocks were not regarded as plentiful, demand lacked any material expansion. Prices for the natural were maintained at previous levels.

Bois de Rose—Inquiries were moderate, and prices held at the $5 to $5.50 per pound level. Arrivals last week aggregated 52 drums from South America.

Cananga—There were limited offerings of old stocks, with buying light. Prices lacked any change.

Caraway — Demand was routine, while market was sufficiently supplied on spot with Russian and Dutch material. Prices ranged from $8 to $8.50 per pound for the Dutch oil.

Cedarwood—Prices advanced to the basis of $1 to $1.15 per pound. Spot offerings were limited, and business was usually confined to regular consuming channels.

Celery — Transactions were along routine lines, and new developments were absent. Prices ranged from $16.50 to $18 per pound.

Citronella—Nothing new transpired in this direction. Offerings of Ceylon ranged from $1.75 to $1.85 per pound. Arrivals last week amounted to 13 drums.

Clove—Demand and supplies were retained at satisfactory levels to keep the market in a firm position.

Coriander—No further easing was disclosed in the prices, while offerings were entirely adequate to cope with the demand. Additional Russian supplies were reported to be coming here soon.

Eucalyptus — Another small shipment of five drums reached here last week. Arrivals recently have partially relieved the tight situation, but most material found its way into consuming channels.

Geranium—The market was not too well supplied on spot. The restrictions placed on exports from Madagascar were a factor, and material arriving here was not too high in quality.

Ginger—Consumers entered market for necessary replacements, and stocks were available to meet their demands. Prices underwent no change.

Guaiacwood — Prices held at the levels established previously. Demand was only moderate, and supplies were satisfactory.

Lavandin—Spot stocks were fair, but demand failed to expand. Prices ranged from $5.25 to $8 per pound.

Lavender—Various grades of lavender oil were offered in moderate quantities, with inquiry reported as only fair. Imports last week totaled 25 drums.

Lemon—Offerings of government surplus stocks were expected to be made to dealers and importers after being offered to various governmental agencies. Some factors expressed doubt about the quality of the material because of the long delay in making the offerings.

Lemongrass—The position of the market remained very firm in view of the higher replacement costs and the tight spot position. A total of 14 drums arrived here last week.

Lime — Quotations for expressed West Indian oil were higher at $14 to $15 per pound, while prices for the distilled remained at the same levels. Demand and supplies were moderate.

Mustard—A steady interest prevailed from regular consumers. Prices were fully retained at previous levels.

Orange—Interest in the market was dull, reflecting to some extent the shortage of sugar in consuming industries. Spot stocks were not large, however, and replacement costs were higher.

Palmarosa—Only limited offerings were made and prices advanced to the basis of $7.75 to $8 per pound.

Pennyroyal—It was difficult to locate any sizable offerings of material, and sellers retained prices at firm levels.

Peppermint—A slight decline in prices occurred in one direction with offerings of natural made at $6.15 per pound and redistilled at $6.55 per pound. Buying was fairly steady.

Petitgrain—Market was not too well supplied on spot, and future replacements were uncertain and subject to higher costs. Spot prices were fully maintained at the levels established the preceding period.

Pimento—Arrivals of leaf oil last week amounted to 26 drums. Market position was fair, and prices lacked any alteration.

Rose—Inquiries were confined to small lots as a rule, with spot offerings moderate. Prices ruled firm.

Sage—Imports aggregated 30 drums last week. Spot position was regarded as satisfactory, and prices failed to change.

Sandalwood—Sellers were behind on shipments pending the distillation of

For Late Market Developments, See Page 4

oil from Mysore wood, which was on the way here from the Far East.

Sassafras—In view of the limited spot stocks and higher replacement costs, price advanced to 75c. per pound. It was reported that an offering of ten tons has been made from South America at $1.20 per kilo for May-June shipment, subject to confirmation.

Vetiver—Offerings of Bourbon were made in limited quantities. In view of replacement costs, prices were fully maintained.

Ylang-Ylang—Prices appeared more stabilized at the levels recorded the preceding period. Recent arrivals have bolstered the spot position of the market.

Aromatic Chemicals

Anethol—Interest was maintained at steady levels, while prices continued firm at the lower levels.

Benzyl Compounds—Offerings were sufficient to meet consumers' nearby needs, while prices were steady to firm.

Coumarin—Raw material situation was still a determining factor in retarding production, and sellers were working against a backlog of orders.

Citral—Offerings were not too plentiful, and higher raw material costs retained prices at firm levels.

Heliotropine—Sellers were in a better supply position, and inquiries continued steady. Prices unchanged.

Ionones—Business was usually restricted to regular consumers in view of the limited production. Prices held firm.

Musk—Situation lacked any change, with sellers allocating shipments of ambrette and ketone to consumers based on previous commitments; xylol remained in a satisfactory position.

Phenylethyl Alcohol — Little improvement was indicated in production, and sellers were behind in shipments. Prices were unchanged and firm.

Vanillin—With some major producers encountering production difficulties, the available supplies were on a strict allocation basis.

Eastman Kodak Company, Rochester, N. Y., has issued a pamphlet on "Titrimetric Procedures Using the Karl Fischer Reagent."

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Boston BIMS Elects Ingham Chairman

BIMS of Boston has elected C. Ernest Ingham, of Ingham & Co., chairman of the executive committee, and E. E. Aldrich, of the United Drug Company, treasurer. Others elected to the executive committee are Stephen W. Higgins, Dennison Manufacturing Company; Frank Langlois, United Drug Company; C. M. Roper, Owens-Illinois Glass Company; Herbert Stephens, American Lithographic Company, and Joseph Manning. Allen B. Wrisley Company.

The association plans outings in June, July and September.

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119 Adelaide St. West, Toronto, Canada
904 Lindeke Bldg., St. Paul, Minnesota
128 Commissioners St., West, Montreal, Canada
Amargura 160, Havana, Cuba

Cosmetic Research Lab Planned at Wayne Univ.

The Allied Drug and Cosmetic Association of Michigan has voted to sponsor the establishment of a laboratory at Wayne University, Detroit, for cosmetic research. The committee in charge of raising funds for the project is headed by Donald Melville, president of Frank W. Kerr Company, Detroit.

OIT Adds Chemicals To 'Positive' List

OPD Washington Bureau

The Office of International Trade announced that effective April 10, the following chemical products were added to the "positive" list of products that require individual export licenses before shipments can be made:—

Ammonium bichromate; ammonium chromate; ammonium dichromate; and beryllium salts and compounds including beryllium carbonate and beryllium oxide.

Tenn. Corp. Acquires Coke Byproducts Plant

OPD Washington Bureau

Designed to produce coke and byproducts, such as coaltar, benzol, toluol, ammonium sulphate and gas, the Tennessee Products Corporation plant at Chattanooga, Tenn., has been sold to that company for $600,000, the War Assets Administration has announced. The same type of products will be produced for postwar civilian consumption.

Columbia Chem. Buys RFC Chlorine Plant

The Columbia Chemical Division of the Pittsburgh Plate Glass Company has purchased from the Reconstruction Finance Corporation the chlorine and caustic soda producing plant at Natrium, W. Va., that it operated during the war.

The plant, which went into production in July, 1943, consists of six principal buildings, including a chlorine manufacturing building and a caustic manufacturing building.

Dodge & Olcott Exports, Imports Headed by Booth

J. Walter Booth has been appointed assistant secretary and head of the export and import division of Dodge & Olcott, Inc., essential oils and aromatic chemicals, New York. He succeeds John A. Corson, who died April 3.

George Mutchler Forms Mutchler Chemical Co.

The Mutchler Chemical Company with offices at 258 Broadway, N. Y., has been formed to act as a manufacturers' agent and distributor and to do general trading in industrial and fine chemicals, essential oils, gums and waxes for both export and domestic account. The company is headed by George W. Mutchler who has resigned from the chemical and drug division of McKesson & Robbins, Inc., with which organization he had been affiliated since 1938. Previous to joining McK. & R., Mr. Mutchler had been affiliated with the General Chemical Company. He is a graduate of New York University.

Givaudan-Delawanna Elects 3 Directors

Three new members have been elected to the board of Directors of Givaudan-Delawanna, Inc., manufacturer of organic chemicals and aromatics, New York. They are Ralph M. Stephenson, sales manager; Harold F. Duffy, treasurer, and Dr. Max Luthy, production manager.

OPA Lubricants Advisers Appointed

OPD Washington Bureau

Eight executives of oil companies have been appointed to a National Lubricants Industry Advisory Committee, the Office of Price Administration has announced.

Initial meeting of the committee was held in Chicago on Monday, April 8, when the following officers were elected:—Chairman, R. B. Ogden, Socony-Vacuum Oil Company, New York; vice-chairman, James Norris, Refiners Marketing Company, Los Angeles; secretary-treasurer, James R. Taylor, W. H. Barber Company, Chicago.

Other members of the committee are:—Victor Benson, Pennzoil Company, Oil City, Pa.; Harry Moir, Pure Oil Company, Chicago; Marshal McArthur, Quaker Petroleum Company, Omaha, Neb.; J. A. Bornmann, Elk Refining Company, Charleston, W. Va., and Walter Smith, Tide Water Associated Oil Company, San Francisco.

Trade Briefs

Texas Company, New York, has elected to the board Michael Halpern, vice-president in charge of refining, and Richard L. Saunders, vice-president in charge of domestic sales.

Indiana Standard Oil Company, Chicago, plans to have a fleet of seven airplanes for use in transacting company business. Two have been delivered, two purchased, and three others will be bought in the near future.

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Petroleum Derivatives

Constantly increasing activity in the petroleum alcohols, ketones and other solvents has continued to overshadow developments in all other departments of the petroleum industry within the past week.

There has been no aftermath of the all-embracing 10-cents-per-barrel uplift of ceiling prices for crude oil, following the announcements of all the thoroughly-integrated petroleum companies that they had marked up their posted prices to the full extent set forth in the Office of Price Administration's order, except for an intensified clamor on the part of the independent producers for a further permissible markup of these quotations or a dropping of all price controls throughout the entire petroleum industry.

Meanwhile, the Deputy Petroleum Administrator for War has called for dissolution of PAW's industry advisory committees.

The demand for petroleum-based ethyl alcohol is mounting briskly, as the Government stockpile of this material has now been exhausted in making butadiene for the production of butyl rubber. And with the recent discovery that inner tubes for motor vehicle tires made from butyl rubber hold the air pumped into them much longer than those made from natural rubber, the call for these inner tubes has increased hugely, necessitating amplified purchases by the tube makers of isobutylene which enters into the composition of butyl rubber to the extent of 98 percent, with isoprene constituting the 2 percent complement of its makeup.

Petroleum Chemicals

Butyl Alcohol—Moving in steadily increasing amounts into consuming channels in the synthetic rubber industry with the supply diminishing rapidly.

Isobutylene—In keen demand for making butyl rubber, especially for the manufacture of inner tubes for automobile tires, for which the call has become so urgent as to induce the Government authorities to limit the use of butyl rubber for this purpose to tubes no greater than 8½ inches in diameter, thereby forcing employment of natural rubber for making the larger sizes of these tubes.

Isopropyl Alcohol — Being bought extensively for solvent purposes by the producers of phenol resin compounds and by other resin manufacturers, who are also purchasing on a sizable scale the high-solvency aromatics.

Methylethyl Ketone — Continues to be taken up in fairly large quantities by the manufacturers of cellulose lacquers for automotive finishes as well as by the makers of synthetic resins and plastics.

Xylol—Still in active request, chiefly for the making of high-solvency aromatics. There is no shortage of petroleum xylol. In fact, the petroleum industry continues to show stocks and current output more than sufficient for all requirements.

Solvents and Diluents

Aromatic Solvents—Heavy buying of both the xylol and toluol based high-solvency aromatics continues to be noted, especially on the part of synthetic resin makers. Processors of these solvents are still being adequately supplied with petroleum xylol and available stocks of toluol continue overplentiful.

Cleaners' Naphtha—Moving seasonally in considerable volume.

Lacquer Diluent—Continues to be taken in sizable lots by the lacquer manufacturers.

Mineral Spirits—Buying interest is unabatedly brisk in this solvent.

Stoddard Solvent — An extensive movement of this material continues to be noted into civilian dry-cleaning channels.

V.M.&P. Naphtha—Still in spirited request from paint and varnish manufacturers.

Markets at Other Centers

Chicago, April 12.—Continued good general interest is noted in this area in petroleum solvents and diluents on the part of various consuming and processing industries. The overall price structure seems fairly steady, with few offerings of a pressure type.

Los Angeles, April 12.—Trading in petroleum solvents and diluents has been good on the Pacific coast within the past week. Supplies have been well maintained.

Market Trends

Prices Advanced

None

Prices Reduced

None

(*For Current Prices see page 9*)

Lighter Fractions

Butane—This liquefied petroleum gas continues in keen demand and in moderate, though by no means overplentiful supply.

Heptane—Moving in only small quantities.

Hexane—Still in fair inquiry.

Octanes—Buying interest continues to reach moderate proportions in these gases.

Pentanes—Being taken in limited quantities on civilian account.

Propane—Demand and supply situations in this gas continues almost identical with those in butane.

Markets at Other Centers

Chicago, April 12.—Interest in liquefied petroleum gases continues at a good level in this area, and with offerings not large, the general tone of the market is still one of strength and firmness.

Los Angeles, April 12.—Propane and butane are still moving in sizable volume on the Pacific coast. Offerings continue liberal.

Petrolatums and Waxes

Microcrystalline Waxes—Notable activity continues to characterize the market for these waxes, for which the domestic and export demands considerably exceed immediately available supplies.

Petrolatums—Buying of U.S.P., veterinarian and technical grades of petroleum jelly keeps reaching large proportions.

Fuels and Lubricants

Crude Petroleum—As rapidly as they could prepare them, the thoroughly integrated petroleum companies have issued their announcements on their new posted prices, based on the OPA's recently ordered 10-cents-per-barrel overall advance in the ceilings for crude oil in all the American oilfields. This general markup of crude oil prices has increased the cost to the refineries, except when the companies operating them are working on the crude oil which they themselves produce, when it is merely a matter of bookkeeping. But there has been no effort to date to procure authority from OPA for compensatory advances in the prices of their petroleum derivatives.

Fuel Oil—While the tension in the supply situation of light fuel oil as well as kerosene has been materially eased with the approach of the end of the heating season, there is still a somewhat distressing shortage of bunker and other residual fuel oils which the recently granted production-swelling incentive of higher ceiling prices throughout the list has failed to ease to any perceptible extent. A titanic quantity of bunker oil is now urgently needed to meet the requirements of the U. S. Navy and of ships carrying food to starving Europeans but little has been accomplished along this line by PAW's efforts to induce the Texas Railroad Commission to authorize a sizable increase in crude oil production in that state, as the commission has replied that it will do so only if the Navy will cooperate in seeing that refiners use the proposed increase in crude oil output to meet its bunker oil requirements.

A new and voluminous amendment to MPR 88, designated as amendment 43, setting forth a slightly upward adjusted repricing of fuel oil, kerosene, gasoline and liquefied petroleum gas in tankwagons and retailers' hands in every area throughout the United States, has just been issued by OPA.

For Late Market Developments, See Page 4

WAXES

MICRO CRYSTALLINE WAXES
WHITE TO DARK AMBER
1607 TO 1737

AMO WAXES
(Amorphous)
WHITE TO DARK AMBER
1607 TO 1307

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WHITE TO AMBER
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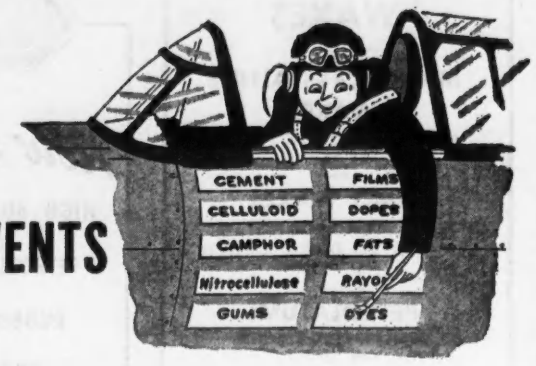

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AHCO PRODUCTS

METHYL "CELLOSOLVE"* STEARATE

METHYL "CELLOSOLVE" STEARATE, a synthetic ester, is used as a plasticizer for cellulose derivative, paper coatings and wax finishes. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOCH_2CH_2OCH_3$
Molecular weight	342
Color (platinum cobalt scale)	175
Melting point	22° to 24°C
Flash point	378°F
Acidity	less than .6 mg. KOH per gram ester
Specific gravity	.888 at 25°/25°C
Iodine value	2 max.

Low volatility

* Trade mark of C&CCC

BUTYL STEARATE

BUTYL STEARATE, a synthetic ester, is used as a plasticizer for cellulose and polyvinyl derivatives, also for cosmetics, paper coatings and wax finishes. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOC_4H_9$
Molecular weight	341
Color (platinum cobalt scale)	130
Melting point	19° to 20°C
Flash point	358°F
Acidity	less than .6 mg. KOH per gram ester
Saponication number	171-179 mg. KOH per gram ester
Specific gravity	.85-.86 at 20°/20°C
Iodine value	2 max.

Low volatility

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Protective Coatings Materials

In the face of innumerable and seemingly insurmountable obstacles, the protective coatings industry continues to forge ahead. Neither work stoppages in some of the largest paint consuming industries nor compulsody reductions in the quantities of many of its most essential raw materials are proving sufficiently powerful depressing factors to keep the manufacturers and suppliers of paints, varnishes, lacquers and fillers from piling up a volume of sales well in excess of those for the corresponding periods in the banner years 1944 and 1945, when they had the gigantic backlogs of war orders to keep their engines running at top speed.

There can be no doubt, however, that the work-stoppages in such large consuming industries as those engaged in the production of motor vehicles, radio and other electrical equipment, bathroom and kitchen furniture and apparatus have tended to slow down its progress toward the ardently anticipated billion-dollar-a-year goal. And even the huge residence-building program now outlined by the Government could not alone suffice to enable this industry to attain that objective when in receipt of more nearly adequate supplies of metallic lead, drying oils, natural and synthetic resins, colors, glues and binders.

With the gradual resumption of operations in all of the temporarily or partially halted industries, however, this end can unquestionably be achieved.

Metallic Lead and Zinc

Facing a loss of more than 50 percent of normal lead production by current management-labor disputes, CPA has issued a statement of policy calling upon producers and smelters to adopt voluntary rationing to spread the supply so as to meet the greatest number of individual needs. It has also frozen the Government stockpile while announcing that surplus lead would be channeled to industrial users. For, while the lead conservation order, M-38, governs the enduses of lead, no controls are in effect at the producer and smelter levels; hence these two groups are now charged with the responsibility of rationing available supplies as equitably as possible during "the current emergency." Prices of pig lead have continued unchanged for the week April 5-12 at 6.35c. per pound in St. Louis and 6.50c. in New York.

OPA has announced a new schedule of special packing and loading charges which may be added to ceiling prices for primary slab zinc, when special packing and loading are provided at the request of the buyer. The most important of these charges, which become effective April 17, is that of 30 cents per ton, instead of 20 cents as formerly, for primary slab zinc when wired or strapped. Prices of zinc slabs have remained unaltered for the week April 5-12 at 8.25c. in East St. Louis and 8.66c. in New York.

Pigments

Iron Oxide—Increasing importations of this pigment are helping to meet the extensive demand for both red and yellow materials. Latest arrivals at New York have included 450 bales and 147 bags.

Red Lead—As set forth in CPA's new order L-354, under which the allocation of lead for the manufacture of lead chemicals, formerly under M-38, is being further controlled, manufacturers of this pigment as well as of white lead, litharge and lead acetate have had their quota of the metal reduced from 48 percent to 38½ percent of such use in the first six months of 1944 but this reduction, figured on a quarterly basis, approximates a cut from 96 percent to 79 percent of this use in the second quarter of 1944. As the restrictions of this order operate at the producers' level, they do not affect consumers except as they serve to reduce the available supply but consumers are affected by the new amendment to priorities regulation 32, the general inventory order, which now specifically limits inventories to 30 days on the basis of current operations.

Market Trends

Prices Advanced

Dibutyl sebacate, 1c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
140.2	140.2	140.2	140.2

(For Current Prices see page 9)

Fillers and Extenders

Talc — Additional arrivals of cosmetic quality talc and steatite are now being recorded. Demand for fibrous talc continues active. Latest arrivals of foreign talc have included 20,270 bags, mostly from Italy. An importation of 100 bags of steatite has also been recorded.

Dry and Chemical Colors

Chrome Colors — Already cramped in their endeavors to expand their manufacturing operations by the inadequate output of the bichromates, the makers of these color pigments have recently been further handicapped by the cut in their allocation of lead for the second quarter for the production of chrome yellow, chrome orange, chrome green and molybdate chrome orange, which has reduced their quota of this metal for these purposes from a quarterly basis of 96 percent to 79 percent of its use in the second quarter of 1944.

Driers and Flatteners

Naphthenates—Continue moving in sizeable volume into the paint and varnish industry, as manufacturers of these driers are now in receipt of plentiful supplies of naphthenic acid and are able to make reasonably prompt deliveries.

Stearates—Still being bought fairly extensively by paint makers, although on a diminishing scale by some rubber tire manufacturers.

Lacquer Materials

Dibutyl Phthalate — Although the two lowest price manufacturers of this material have announced no change in their quotations for the new monthly period, April 10-May 9, all the other makers have marked up their prices commensurately with their increased cost of butanol, their advances ranging from 0.85c. to 4.75c. per pound. The two lowest price producers continue to quote 16c. in tankcar lots and one of the other manufacturers is still quoting 17.8c. but another maker has repriced his material upward to a 19½-cent basis and two others to 20.4c. and 20.5c., respectively. Still another is quoting 21.75c. and an eighth one is asking 22c.

Dibutyl Sebacate—Reflecting further the increasing cost and critical position of castor oil, manufacturers of

Paint, Varnish, Lacquer Sales: February

The value of paint, varnish, lacquer and fillers, in February, 1946, as reported by 680 establishments to the Bureau of Census, was $54,592,434. Details of sales reported by these establishments, with comparative data for 1945 and 1944, follow:—

	Total sales reported by 680 establishments.	Classified sales reported by 580 establishments: Trade-sales of paint, varnish, and lacquer.	Industrial sales: Total.	Industrial sales: Paint and varnish.	Industrial sales: Lacquer.	Unclassified sales reported by 100 establishments.
1946—Feb.	$54,592,434	$31,277,060	$17,641,353	$13,074,081	$4,567,272	$5,674,021
Total, 2 mos....	111,148,052	61,709,041	37,623,908	28,069,805	9,564,103	11,815,103
1945—Feb.	51,487,714	24,974,516	22,430,042	16,765,455	5,664,587	4,983,156
Total, 2 mos....	105,137,216	49,269,809	45,486,598	34,464,954	11,021,644	10,380,810
1944—Feb. 4	45,055,286	20,851,181	20,382,131	15,080,928	5,351,203	4,421,974
Total, 2 mos....	89,136,164	39,629,647	40,462,124	30,083,041	10,379,083	9,044,393

For Late Market Developments, See Page 4

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Unsurpassed Quality.

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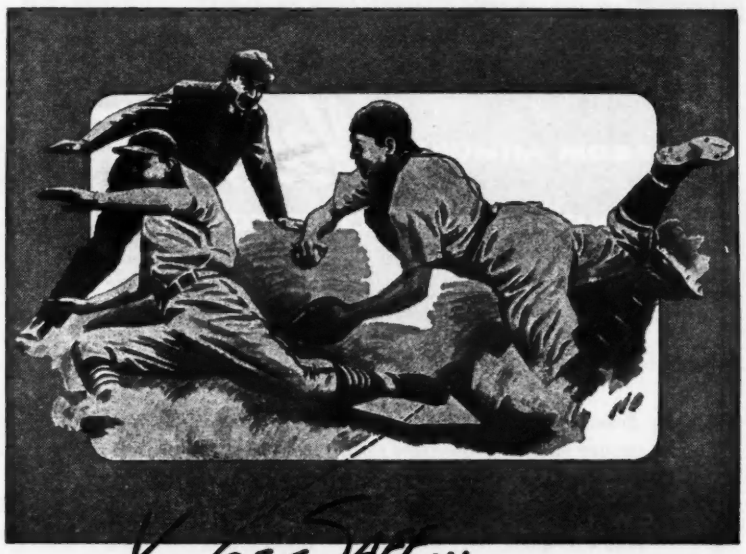

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GUM TURPENTINE
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By fractional distillation, domestic raw materials—not by nature suited to the rigid requirements of the protective coatings industry—can be transformed into highly desirable materials for this industry.

This exclusive Armour process makes possible the superior Neo-Fat fatty acids for alkyd resins . . . makes possible the fast-drying, quick-bodying Neo-Fat synthetic drying oils.

At present, because of heavy demand and our difficulties in securing raw materials, some Neo-Fats are not readily available. We are doing our best to improve this situation. In the meantime, we believe you'll find it worthwhile to investigate the Neo-Fats . . . today . . . for your coatings, present and future. May we recommend those best suited to your particular needs?

ARMOUR CHEMICAL DIVISION

Armour and Company

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this material have marked up their prices for the new period, April 10-May 9, this time to the extent of 1c. to 2.45c. per pound, making the new quotations of two of these manufacturers in tank cars 49c. and 52.70c. respectively, with one large manufacturer pricing his material in drums at 51¾c. for carload lots and 52¼c. in ten-drum lots.

Naval Stores

A loan program devised by the Commodity Credit Corporation, at the behest of the American Turpentine Farmers Association, in an effort to support the price of gum naval stores obtained from the 1946 crop, has been announced by the Department of Agriculture this past week. Loans on both gum turpentine and the nine top grades of gum rosin are to be made available through the association's cooperative of Valdosta, Ga., to producer-members who comply with the 1946 naval stores conservation program.

The loans on gum turpentine available from April 1 through December 31, are to be made at rates equal to 90 percent of the March 15 parity price, 82.24c. per gallon, or at 74.43c. per bulk gallon of 7.2 pounds each. The loan values of the nine top grades of gum rosin figured on 100 pounds, each, are: G, $3.99; H and I, $4.01; K, $4.05; M, $4.07; N, $4.23; WG, $4.48; WW and X, $4.75. These loan values will apply to stocks placed in storage at approved warehouses in the producing region. The rosin must be in eligible metal drums and the turpentine stored in approved warehousemen's bulk storage tanks.

Rosin—Although domestic buying operations in gum rosin have continued rather limited within the past week, the export demand has mounted sharply. But as no new export licenses have been issued for at least a fortnight, the out-of-the-country movement has been almost nil. The Gum Naval Stores Industry Planning Committee is urging the Civilian Production Administration to allocate not less than 650,000 drums of gum and wood rosin for export during the 1946-1947 season, basing its request on an estimated production of 1,9d5,000 drums, a carryover as of April 1, 1946, of about 388,000 drums, and estimated domestic consumption of 1,246,000 drums.

Savannah, April 12.—Following is a record of the market for the week:—

	Price per unit—Low of range quoted				
	Mon.	Tues.	Wed.	Thurs.	Fri.
B	$6.00	$6.00	$6.00	$6.00	$6.00
D	6.07	6.07	6.07	6.07	6.07
E	6.60	6.60	6.60	6.60	6.60
F	6.70	6.70	6.70	6.70	6.70
G	6.74	6.74	6.74	6.74	6.74
H	6.76	6.76	6.76	6.76	6.76
I	6.76	6.76	6.76	6.76	6.76
K	6.80	6.80	6.80	6.80	6.80
M	6.82	6.82	6.82	6.82	6.82
N	6.98	6.98	6.98	6.98	6.98
WG	7.23	7.23	7.23	7.23	7.23
WW	7.50	7.50	7.50	7.50	7.50
X	7.50	7.50	7.50	7.50	7.50
	Drums				
Sales	...	...	13	...	...
Receipts	37	611	571	1,990	13
Shipments	...	...	...	1,888	...
Stocks	3,305	3,916	4,487	4,589	4,602

Turpentine — A steadily expanding demand for gum turpentine has been noted within the past week both for domestic consumption and for export. Old crop stocks are pretty well depleted but the supply is expected to be substantially replenished with new crop spirits within the next few weeks.

Savannah, April 12.—Following is a record of the market for the week:—

	Bulk gallons		Barrels		
	Cents.	Sales.	Receipts.	Shipments.	On hand.
Monday	83½	...	16	...	1,524
Tuesday	83½	...	171	134	1,561
Wednesday	83½	150	682	78	2,165
Thursday	83½	...	241	201	2,205
Friday	83½	...	166	154	2,217

Shawnee
DRY COLORS
"Color Counts"—Guaranteed

Chrome Greens
Chrome Yellows
Zinc Chromate
Toluidine Reds
Para Reds
Iron Blues
Cadmium Colors
Lake Colors
Zinc and Aluminum Stearate

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General Office and Works:
LOUISVILLE, KENTUCKY
Offices and Agents in Principal Cities
Distillers of Coal Tar Products

SCC

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Blanc Fixe
Iron Blues
Para Toners
Toluidine Toners
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Pyrotone Red Toners
Barium Products

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METHOX (Dimethoxy Ethyl Phthalate)
(Dimethyl "Cellosolve" phthalate)
ETHOX, (Diethoxy Ethyl Phthalate)
(Di "Cellosolve" phthalate)
DIOCTYL PHTHALATE
KAPSOL, (Methoxy Ethyl Oleate)
KP-23, (Butyl "Cellosolve" Stearate)
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PHOSPHORUS OXYCHLORIDE
ANHYDROUS ALUMINUM CHLORIDE

Samples and data on request

"Cellosolve" "Kronisol" "Kronitex," "Methox" "Ethox" and "Kapsol" are trademarks.

For inorganic phosphorus products, represented by Joseph Turner & Co., Ridgefield, N. J.
For plasticizers, represented in New York, New Jersey and Connecticut by Stoney-Mueller, Inc., Lyndhurst, N. J.

Synthetic Resins

Ester Gum—Production continues to he held down by the high cost and scarcity of glycerin, although there is no longer such a shortage in either gum or wood rosins as to exercise a restrictive influence on the output.

A list of synthetic resins with their current quotations, usually published by OPD in the first issue of each month, appears in this issue, beginning on page 35.

Varnish Gums

Asphaltum—A keen demand continues to be noted for gilsonite and the petroleum based asphaltums. The privilege of applying for priority aid in obtaining supplies and equipment for the production of asphalt, as well as of tarred roofing products, building board and gypsum board and lath, has been granted by CPA to the producers by their inclusion in the list of critical materials.

Copal—With no offers of newly-gathered gum being currently made from the Belgian Congo, importers of this natural resin are still unable to name prices on this material, landed here, as they cannot determine what their costs will be on the new gum. Meanwhile, the local market continues nearly bare of stocks.

Shellac—The stalemate continues in the primary market for shellac in India, with the customary sellers still withholding offers from last year's crops. Two belated cargoes from Calcutta reached New York within the past week. These consisted of 950 bags of seedlac, 300 bags of kirilac and 2,285 bags of unspecified shellac. From London, there has been an arrival of 1,195 bags of unspecified shellac. But all of these had been bought a long time ago.

Glues and Binders

Casein—In the hope of obviating a complete halt in domestic production and importations of casein, which have already brought marketing operations to a near standstill, OPA has issued a stopgap ruling granting permission to producers of industrial casein to sell it at the present 24-cents-per-pound basic ceiling price and to bill purchasers for additional amounts as soon as OPA announces new and higher ceilings, which producers and importers have been urgently requesting that bureau to authorize and which the latter has now under consideration. Four small belated cargoes; two aggregating 7,772 bags from Buenos Aires, another of 105 drums from London and still another of 224 bags from Sydney, Australia, have constituted the only arrivals within the past week.

Glues—Production of both hide and bone glues continues to be held down by the high cost of both domestic and imported gluestock and by the inadequacy of the labor supply. The Census Bureau reports the production of hide glue for February as having amounted to 5,886,905 pounds and that of hide glue in the same month as totaling 5,180,689 pounds.

SCHUNDLER

Foundry Bentonite — Air-Float
Detergent — No. 44 (crushed)
Hy-Vis — Crushed-Dried
Standard 200 or 325 mesh
Fesco-Jel Drilling Mud
Y Emulsion Bentonite
In bags or bulk carloads. Domestic or export packing. Plant capacity 125,000 tons annually. F. E. Schundler & Co., Inc., 540 Railroad Street, Joliet, Illinois. F. E. Schundler & Co., Inc., 45-19 Vernon Blvd., Long Island City, N. Y.

BENTONITE

Chromium Oxide Green

99% Cr_2O_3 minimum
Extra soft texture — High tinctorial strength
PROMPT DELIVERY
MINERAL PIGMENTS CORPORATION
Muirkirk — Maryland

Volclay
TOP QUALITY COLLOIDAL
BENTONITE
VOLCLAY WYOMING BENTONITE
Granulated or air-floated powders
B C VOLCLAY
Micron-sized dust, grit free
K W K VOLCLAY
Disperses easily in water
PANTHER CREEK
Non-swelling Southern Bentonite
AMERICAN COLLOID COMPANY
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Albek's
ODORMASQUE P
REG. U.S. PAT. OFF.
For MASKING the odor of PAINTS, SOLVENTS, MINERAL TERPS, KEROSENE, INSECTICIDES, etc., at a fraction of a cent per gallon
Manufactured in California by
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GILSONITE

SELECTED ORE — M.P. 270—280° F., Low Viscosity — Uniform, Clean

FINES — Obtained from Selected Ore M. P. 270—280° F.

REFINED SELECTS — Various Melting Points 275°—285°—300°—315° F.

GILSONITE SECONDS — Clean, Uniform Viscosity and Melting Point

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FOR ALL PHARMACEUTICAL, COSMETIC AND INDUSTRIAL PURPOSES
ZINC CARBONATE — ZINC STEARATE
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NICKEL FORMATE • NICKEL OXIDE
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(DICHLORO — DIPHENYL — TRICHLOROETHANE)
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ALUMINUM POWDER
AND PASTE, ALL GRADES
•
BRONZE POWDER
PALE AND RICH GOLD, ALL GRADES

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420 Lexington Avenue — New York 17, N. Y.
CABLE ADDRESS: FIRSTOLINE

Bids Wanted

Beeswax, yellow:—1,546 pounds, offered for sale; located Davisville, R. I., announcement SC-68, priority announcement No. 176, opening April 24.

Dry colors and extenders as required during the fiscal year beginning July 1, Bureau of Engraving and Printing, Washington 25, D. C., schedule 4, opening June 7.

Ethyl alcohol:—5 54-gallon drums; Division of Purchase, Sales and Traffic, Department of Agriculture, Washington 25, D. C., invitation 544-46, opening April 16.

Lead Arsenate:—2,000 pounds; Purchasing Officer, Interior Department, Washington 25, D. C., invitation 9783, opening April 10.

Nicotine Sulphate:—500 pounds; Purchasing Officer, Interior Department, Washington 25, D. C., invitation 9783, opening April 10.

Trichlorethylene:—20 55-gallon drums; Office, Chief of Ordnance, Detroit, Center Line, Michigan. Invitation 11, opening April 23.

Prices Current

—Continued from page 35

Yellow, barium chromate, CP, bgs., l.c.l., divd. N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul	lb.	.33	—

Barium chromate yellow price differentials in other State and city zones are those for chrome yellow below.

Yellow, benzidin, bbls., divd.	lb.	1.35	- 2.25
Cadmium, CP, bgs.	lb.	1.25	- 1.40
ton lots, E. of Rockies	lb.	.85	- —
smaller lots, same basis,	lb.	.95	- —
sulphide, orange, cs., kgs., works	lb.	1.10	Nom.
Chrome, CP, bbls., divd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts	lb.	.16	- —

Chrome yellow prices are ½c. higher, divd. Ala., Fla., Ga., La. (Shreveport), 1½c., Miss., N. C., S. C., Texas, Dallas, Tex., 1¾c.; Ft. Worth, Tex., 1½c.; El Paso, Tex., 2c.; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St Joseph, 1.6c. higher divd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Dutch, pink, bbls.	lb.	.09	- .11
Kansas, bbls., same basis as chrome	lb.	1.37	- —
primrose, bbls., same basis	lb.	1.75	- —
Iron oxide, nat., bbls., c.l., Bethlehem, Easton, Pa.	lb.	.04½	- —
l.c.l., same basis	lb.	.05	- —
synthetic, bbls., c.l., works	lb.	.0665	- —
l.c.l., works	lb.	.0710	- —
Mercury oxide, bbls., 1,000 lbs.,	lb.	2.42	- —
smaller lots	lb.	2.45	- —
Ocher American, golden, bbls., works	lb.	.04½	- .05¼
yellow, bbls., works	lb.	.02	- .02¼
French type, bbls., c.l.	lb.	.0345	- —
l.c.l.	lb.	.0365	- —
Persian orange (see O).			
Yellow, zinc, bbls., same basis as chrome	lb.	.16	- —
Navy spec. type, bbls., contract	lb.	.16	- —
Yellow dock root, bls.	lb.	.35	- .38
Yellow xanthorrhiza (see Xanthorrhiza).			
Yerba santa leaves, bls.	lb.	.30	- .32
Yohimbine hydrochloride, vls.	oz.	3.00	- 5.75

Z

Zein, bgs., 1,000 lbs., works	lb.	.25	- —
smaller lots, works	lb.	.30	- —
Zinc acetate, tech., bbls., divd.	lb.	.16	- .17
USP, bbls.	lb.	.26	- .27
kgs.	lb.	.29	- —
Arsenite,[1] bgs., c.l., frt. alld. E. of Rockies	lb.	.11¾	- .13¼
l.c.l., same basis	lb.	.13½	- .15¼
Borate, bgs., c.l.	lb.	.12	- —
Carbonate, tech., rubber makers' grade, bbls., works	lb.	.09¾	- .10¾
USP, precip., powd., bbls.	lb.	.35	- —
dms.	lb.	.40	- —
kgs.	lb.	.37	- —
Chloride, tech., fused, dms., c.l., works	100 lbs.	5.00	- —
l.c.l., works	100 lbs.	5.35	- —
gran., dms., c.l., works	100 lbs.	5.75	- —
l.c.l., works	100 lbs.	6.50	- —
solution, 50%, dms., c.l., works	lb.	.0615	- —
l.c.l., works	lb.	.04½	- .04½
tanks, works	lb.	.0250	- —
USP, dms.	lb.	.30	- .31
jars	lb.	.35	- .36
Chromate (see Yellow, zinc).			
Cyanide, kgs., works	lb.	.33	- .37
Zinc dust,[6] bbls., c.l., divd.	lb.	.1035	- —
l.c.l., works	lb.	.1135	- —
Fluoride, bbls.	lb.	.55	- .60
Hydrosulphite, dms., works	lb.	.16	- —
Iodide, NF, bots.	lb.	4.68	- 4.76
jars	lb.	4.40	- —
Laurate, bbls.	lb.	.32	- .33
Metal,[1] (quotations in Protective Coatings market).			
Naphthenate, 8%-10% Zn, dms.	lb.	.16	- .18½
Oxide, pigment, dom., acicular, bgs., c.l., divd.	lb.	.07½	- —
l.c.l., divd.	lb.	.07½	- —
American process, com'l, lead-free, bgs., c.l., divd.	lb.	.07½	- —
l.c.l., divd.	lb.	.07½	- —
leaded, 5%, bgs., c.l., divd.	lb.	.07½	- —
l.c.l., divd.	lb.	.07½	- —
35% or more, bgs., c.l., divd.	lb.	.07	- —
l.c.l., divd.	lb.	.07½	- —
French process, com'l, lead-free, bgs., c.l., divd.	lb.	.07½	- —
l.c.l., divd.	lb.	.07½	- —
green seal, bgs., c.l., divd.	lb.	.09	- —
l.c.l., divd.	lb.	.09½	- —
red seal, bgs., c.l., divd.	lb.	.09½	- —
l.c.l.	lb.	.09¾	- —
white seal, bgs., c.l., divd.	lb.	.09½	- —
l.c.l., divd.	lb.	.09¾	- —
USP, ctns., c.l.	lb.	.10½	- —
l.c.l.	lb.	.10¾	- —

Zinc oxide Pac. Coast prices ½c. higher: bbl. prices ½c. higher than bgs.

Zinc resinate, fused, 1% Zn. lump, dms.	lb.	.11	- .12
precipitated, 8.40% to 9% Zn, powd., dms.	lb.	.14½	- .15
Silicofluoride, bbls.	lb.	.15	- .17
Stearate, tech. ,ctns., c.l., frt. equald.	lb.	.29	- —
smaller lots, same basis	lb.	.30	- .31

USP (same prices as tech.).

Sulphate, cryst., bgs., c.l., works, frt. alld.	100 lbs.	3.40	- —
l.c.l., same basis	100 lbs.	4.15	- —
flake, bgs., c.l., same basis.	100 lbs.	3.80	- —
l.c.l., same basis	100 lbs.	4.55	- —
powd., bgs., c.l., same basis.	100 lbs.	5.35	- —
l.c.l., same basis	100 lbs.	6.10	- —

Zinc sulphate, in bbls., 25c. higher.

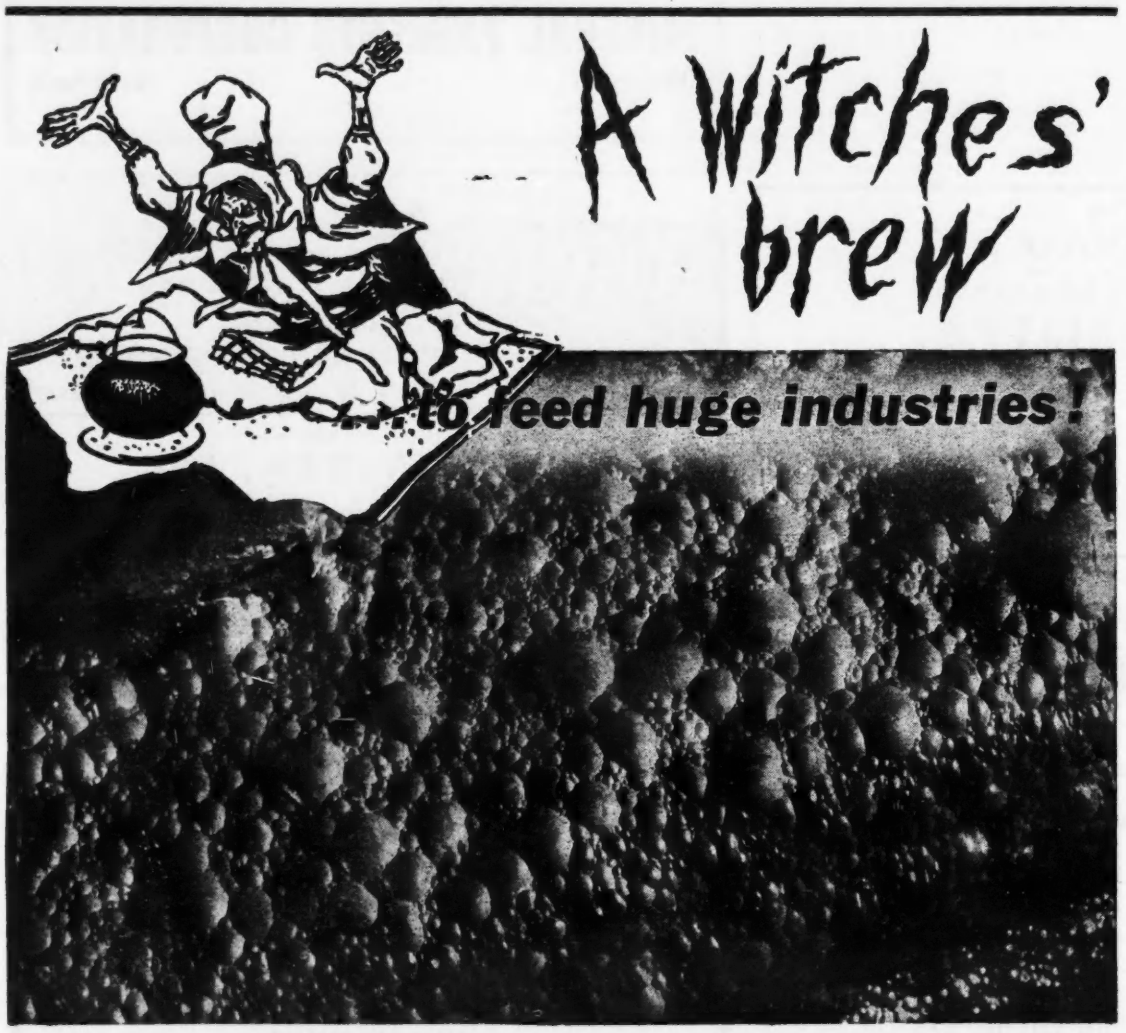
Sulphide,[1] pure, bgs., c.l., divd.	lb.	.08¼	- —
l.c.l., divd.	lb.	.08½	- —
bbls., c.l., divd.	lb.	.08½	- —
l.c.l., divd.	lb.	.08¾	- —
Barium pigment,[1] bgs., c.l., divd.	lb.	.0560	- —
l.c.l., divd.	lb.	.0585	- —
Calcium pigment,[1] bgs., c.l., divd.	lb.	.0560	- —
l.c.l., divd.	lb.	.0585	- —
Fluorescent pigment,[1] works, frt. alld.	lb.	.90	- 1.00
Magnesium pigment,[1] bgs., c.l., divd.	lb.	.05½	- —
l.c.l., divd.	lb.	.06	- —

Zinc sulphide and pigments, Pac. coast prices ½c. higher; bbl. prices ½c. higher than bgs.

Sulphocarbolate, NF, bbls., dms.	lb.	.28	- .30
Tallate, 5% Zn, dms.	lb.	.09¾	- —

Yellow (see Yellow, zinc).

Zinc-ammonia chloride, dms., c.l., works	100 lbs.	5.65	- —
l.c.l., works	100 lbs.	6.70	- —
Zinc - cadmium sulphide, fluorescent, ctns., works, frt. alld.	lb.	2.00	- 2.60
Zinc-iron oxide pigment, bgs., c.l., divd.	lb.	.06	- —
l.c.l., divd. E. of Rockies,	lb.	.06¼	- —
Pac. cst.	lb.	.06¼	- —
ex whse., Pac. cst.	lb.	.07	- —
Zirconium acetate, solut., bbls., works	lb.	.25½	- —
Hydride, ctns., works	lb.	7.00	- 8.00
Nitrate, bgs., works	lb.	3.00	- 4.00
Oxide, 88%, grd., bbls., c.l., works	lb.	.22½	- —
l.c.l.	lb.	.22¾	- —
white, 98½-99%, grd., kgs., works	lb.	.80	- —
milled, electric, fused, 2,000-9,999 lbs., works	lb.	.46	- —
500 lbs. and less, same basis	lb.	.46½	- —
Oxychloride, crust., bbls., 5 tons, works	lb.	.29¼	- —
Sulphate, basic, cake, bbls., c.l., works	lb.	.18	- —
l.c.l., works	lb.	.18½	- .20
smaller lots, works	lb.	.30	- .31½



Bubble crowds bubble in this agitated and constantly overflowing brew. The fact that no heat is reflected from this seemingly boiling mass, evokes visions of witches mumbling incantations over mysteriously bubbling cauldrons.

● In reality, the picture shows a section of a flotation tank in the Balmat mill of the St. Joseph Lead Company's zinc mines in northern New York State. The flotation process is one of the first steps in the production of St. Joe lead-free Zinc Oxides for the huge industries engaged in the manufacture of rubber, paint and other zinc oxide-containing products. The bubbles emanating from the roiling liquid, rise from the bottom of the huge tank containing zinc ore. This has previously been crushed and ground to the size of sand which is mixed with water and precisely controlled combinations of chemical reagents. Besides zinc, the pulp contains lead and iron pyrites; it is agitated in the flotation machines by forcing air to the bottom of the tank. The first combination of chemical reagents makes the lead sulphide adhere to the bubbles and overflow at the top; the next combination "floats" the zinc sulphide, and the final circuit "floats" the iron pyrites concentrates.

After filtering and drying, the zinc concentrates, averaging 57% zinc, are shipped to the Company's Josephtown, Pa. smelter where they are converted into zinc oxide by a patented electro-thermic process. The flexibility of this process—exclusive with this Company—is largely responsible for that high degree of purity and uniformity which has always been a distinguishing feature of St. Joe lead-free Zinc Oxides.

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ST. JOE *Lead-Free* ZINC OXIDE

MADE BY THE LARGEST PRODUCER OF LEAD IN THE UNITED STATES

JLS PIGMENTS

YELLOW IRON OXIDE
(Natural and Synthetic)

also

SPECIAL BROWNS

for

PORCH AND DECK
SASH AND TRIM PAINTS

•

J. LEE SMITH & CO., Inc.
EST. 1854
19 JACOB ST., NEW YORK 7

Drying Oils

—Continued from page 7

to soybean oil is not encouraging, even though it is expected that increasing importation and production of coconut oil will lessen the demand for edible soybean oil. Soybean growers are dissatisfied with the economy of marketing their crops for oil. They complain that they are not able to get back for feed the meal from the beans they send to crushers but are required to buy mixed feeds. This was told to the Farm Chemurgic Conference March 20 by H. L. Roach, president of the American Soybean Association.

The growers are dissatisfied also, Mr. Roach said, because the fats and oils office of the United States Department of Agriculture was dilatory in setting up the support price for this year's bean crop. This matter, he said, was postponed from August, last year, up until February, this year, apparently because of inability to decide what effect would come in the oils markets by reason of increasing supplies of coconut and palm oils. Announcement by the Secretary of Agriculture, February 25, of the continuation of the 1945 support price of $2.04 per bushel has given some encouragement in the direction of maintained acreage, but adequate planting was still doubtful.

Efforts of his association to get a definite basis of needed acreage got nowhere, Mr. Roach declared. The currently recognizable need for a big crop of soybeans is a puzzle in terms of planting plans. The need will not be met unless weather conditions necessitate the planting of soybeans instead of other crops. Under normal conditions this year's acreage will be 20 percent less than that in 1945.

Soybeans are a relatively new crop, especially as an oilseed. Their future in that field is uncertain, as Mr. Roach saw it. Domestic growers look upon the potential United States market as theirs; but their expectations and desires can be blocked by the competitive advantages of imported oils. New strains are being developed, and growers are well inclined to assist in industrial research programs. Because of its special properties, especially upon treatment with pentaerythritol, soybean oil has become very popular as a drying oil. At the Farm Chemurgic Conference, M. F. Taggart, of the O'Brien Varnish Company, said that the paint industry wants soybean oil, not as a substitute, but for its own particular value.

(To Be Continued)

INSECTICIDE BASE OILS
SHELL "DISPERSOL" SHELL INSECTICIDE BASE
#40 BASE OIL
Petroleum Naphthas and Solvents
Plasticizers and Extenders for Plastics and Rubber
Toluol and Xylol
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Oils, Fats, and Waxes

Tight oil situation continued to stifle business during the week. Shipments were in active request against allocations and in many instances available quantities were below requirements, with the result that producers restricted sales only to regular customers. Prices were firm at ceilings and demand exceeded supplies.

Agreements for the exchange of soybean oil for olive oil for export from Italy and Spain were announced by the Department of Agriculture during the week. Some 2,500 metric tons of soybean oil will be allocated for shipment to Italy and 5,000 metric tons to Spain during the April-June quarter in exchange for the same quantities of olive oil. Applications for export licenses for soybean oil must be received for shipment to Italy not later than April 22 and to Spain, April 25 by the Office of International Trade, Department of Commerce, Washington 25, D. C. Subsidy payments also must be made of 3¾c. per pound on crude soybean oil or 4c. per pound on refined. Other agreements for the exchange of soybean oil for olive oil were made during the last two months with the following countries—Greece, 3,000 tons, Lebanon 200 tons, and Syria 200 tons, a total of 10,900 tons.

Changes in WFO 29, effective April 11, affected the use and distribution of cottonseed, peanut, soybean and corn oils and provides certain limitations on the industrial use of these oils. See story on page 5 in this issue.

Cottonseed Oil

With production sold well ahead, offerings of crude and refined oils were scanty and light sales were noted at ceilings. Many mills in the South have stopped crushing for the season.

Bleachable oil prices follow:—

	Cents per pound in tanks— High.	Low.	Close.
May	....	....	14.31 bid
July	....	....	14.31 bid
September	....	....	14.31 bid
October	....	....	14.31 bid
December	....	....	14.31 bid
March	....	....	14.31 bid

Total sales, none.
Cash, 14.31c. nom.
Crude, Southeast, 12¾c.; Valley, 12⅝c.; Texas, 12½c. f.o.b. works (all ceiling prices).

Memphis, April 11.—Demand for cottonseed products urgent, except hulls. Cotton crop preparations well under way and acreage estimated about 15 percent higher than a year ago. Planting seed seems ample unless replanting necessary.

Linseed Oil

Though some 3,800 tons of linseed oil recently arrived from the Argentine was allocated to the trade there was no noticeable improvement in the supply situation during the week. The oil was readily absorbed against standing contracts. The supply situation was still stringent. Many oil contracts have expired and crushers were unable renew them at the present time.

Mills recently reopened in this area were expected to shut down during the next week because of the lack of seed. Arrivals of 25,000 tons of Uruguayan seed for allocation were due by the end of May.

Sales of 21,465 pounds of boiled linseed oil were made from 16.4c. to 18.2c. per pound, f.o.b. according to container and 18,505 pounds of raw oil from 16c. to 17.8c. per pound, same basis, it was reported by the Department of Agriculture, March 29.

Minneapolis, April 10.—Crushing operations were being curtailed in the Northwest and the outlook is for a gradual tapering off of production in the next three months. Small mills are expected to close at the end of June and wait for the new crop.

Shipments of linseed oil, in pounds, were as follows:—

	1945-46	1944-45
This week	5,520,000	4,260,000
Since Sept. 1	200,700,000	169,950,000

Los Angeles, April 10.—Limited offerings continue to restrict trading. However, some deliveries have been made. Oil was quoted at 14.5c. per pound in tankcars and 14.9c. drums carlots.

Flaxseed—Private reports indicate a larger flaxseed acreage than government intentions to plant figures.

Minneapolis, April 10.—Flaxseed supplies fell off sharply at Minneapolis during the past fortnight, cash arrivals being cut down quite rapidly and to-arrive offerings virtually disappeared from the market.

	Receipts 1945-46	1944-45	Shipments 1945-46	1944-45
This week	84,000	64,000	51,000	27,000
Since Sept. 1	19,490,500	9,331,000	3,892,500	1,590,500

Flaxseed in Minneapolis during the week was unchanged at $3.10 (ceiling) per bushel for spot and for forward deliveries.

Buenos Aires, April 12.—Flaxseed shipments were only 20,000 bushels to other destinations during the week. Visible seed supply was lower at 3,071,000 bushels.

Hull, April 12.—Bombay, £40½, April; Calcutta, £35½, April; La Plata not quoted.

Other Vegetable Oils

Castor, Dehydrated—An urgent demand continued to take the production and while imports of castor beans have increased somewhat, crushers report the demand still exceeded supplies.

Coconut—Reports from the Pacific coast indicated that the bulk of coconut oil production has been booked for the account of UNRRA. Purchases of 7,000 to 8,000 tons of coconut and babassu oils were reported at ceilings.

Oiticica—There was little doing in the market because of the lack of oil. Inquiry was keen. Supplies on the spot were scanty and offerings for shipment from Brazil were reported nil.

Olive—Agreements were announced during the week by the Department of Agriculture for the allocation of 2,500 metric tons of soybean oil to Italy and 5,000 tons to Spain in exchange for the same quantities of olive oil during the April-June quarter. Applications for export licenses to Italy must be received not later than April 22 and to Spain April 25 by the Office of International Trade, Department of Commerce, Washington 25, D. C. In addition subsidy payments of 3¾c. per pound for crude soybean oil or 4c. per pound on refined must be made at the New York office of the Commodity Credit Corporation.

Peanut—Sales were confined to scattered tankcars of crude oil at ceilings. Production is nearing its close for the season and few mills were operating in the South.

Soybean—Farm stocks of soybeans on April 1 were placed at 29,785,000 bushels, compared with 27,558,000 bushels a year ago. Ceiling prices for the 1946 crop of soybeans to be processed for oil were announced by OPA, April 11, as follows:—U. S. Grade No. 2—14 percent moisture, yellow and green—$2.10, and U. S. Grade No. 2—classes III brown, IV black and V mixed—$1.90 a bushel.

Tung—Demand was urgent, but trading was at a standstill owing to the scarcity of supplies. Domestic production was sold up and Chinese oil was closed to American buyers, because prices were higher than our ceilings. Last quotations heard were above 41c. per pound, f.o.b. China. Reports from China stated that because of inflationary conditions there, large quantities of tung oil and other raw materials have been purchased and held in the hinterlands in preference to money for the eventual shipment to the seaboard.

Fats and Greases

Greases—Because of the light hog receipts at regular slaughtering channels the output was smaller. Deliveries against contracts were reduced and offerings were almost nil.

Lard—Inquiry continued urgent. Producers restricted sales to regular customers. Shipments of lard and rendered pork fat totaled 44,729,061

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Beeswax, refined, yellow, 2c. per lb.
Carnauba wax, 3c. to 4c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
193.5	193.5	193.5	193.3

(*For Current Prices see page 9*)

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pounds at the f.o.b. cost of $84,785,661, during February, it was announced by the Department of Agriculture.

Fish Oils

Herring—The herring catch quota for 1946 for oil and food was recently increased an additional 150,000 barrels for the 1946 Alaska season, officials of the Fish and Wildlife Service announced. The quota for Kodiak area was raised from 300,000 barrels to 400,000 barrels, and for southeastern Alaska from 250,000 barrels to 300,000 barrels.

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Cake and Meal

Linseed Meal—Production was reported reduced, with mills operating at 50 to 60 percent of capacity. Demand exceeds the supply.

Minneapolis, April 10.—Demand for meal continued broad and reduced crushing operations limited even more severely crusher offerings of the protein. Shipments of linseed meal, in pounds, were as follows:—

	1945-46	1944-45
This week	6,840,000	6,540,000
Since Sept. 1	287,200,000	228,940,000

Waxes

Beeswax — Market continued firm and refined grades were boosted from 2c. to 3c. per pound, owing to the higher replacement costs of crude. Trading was moderate.

Candelilla — Light offerings were readily taken for shipment at 65c. per pound, f.o.b. Mexico. Supplies on the spot were limited and firm at the recent advance.

Carnauba—An active demand combined with small stocks, caused prices to again advance from 3c. to 4c. per pound for spot delivery. Brazilian market was firmer and offerings for all positions were materially reduced. Interest in new crop has increased and sales of No. 3, North country, were reported at $1.45 per pound, f.o.b. Brazil for December-February shipment, with sellers quoting $1.50 per pound and upwards.

Ouricury—Inquiry was more active and the market was strengthened by the scarcity of carnauba. Refined grades were scanty. Sales were reported at 98c. per pound, f.o.b. Brazil.

Fats, Oils, Output Consumption: February

The preliminary statistics of the factory production and consumption of animal and vegetable fats and oils for February, 1946, as compiled by the Bureau of Census, follow:—

Vegetable Oils

	Pounds	
	Production	Consumption
Babassu, crude	[2]	5,043,000
Refined	[2]	2,624,000
Castor, No. 1, crude	9,049,000	6,371,000
No. 3, crude	2,565,000	2,234,000
Dehydrated	2,684,000	2,410,000
Sulphonated	[2]	[2]
Chinawood or tung oil	1,397,000	1,655,000
Coconut, crude	12,016,000	14,243,000
Refined	5,043,000	4,804,000
Corn, crude	10,066,000	9,855,000
Refined	9,074,000	2,055,000
Cottonseed, crude	88,893,000	121,854,000
Refined	109,495,000	84,568,000
Linseed	45,749,000	43,054,000
Olive, edible	792,000	11,000
Inedible	[2]	14,000
Sulphur oil or olive foots	[2]	60,000
Oiticica	[2]	1,113,000
Palmkernel, crude	[2]	4,834,000
Refined	[2]	[2]
Palm, crude	[2]	3,166,000
Refined	[2]	293,000
Peanut, crude[1]	7,323,000	12,739,000
Refined	11,461,000	7,836,000
Perilla	[2]	14,000
Rapeseed	[2]	1,427,000
Sesame	[2]	3,000
Soybean, crude	135,103,000	130,777,000
Refined	121,887,000	86,923,000
All other	10,297,000	3,758,000

Animal Fats

Lard, rendered (including neutral lard and rendered pork fats)	188,168,000	4,163,000
Neatsfoot oil	207,000	365,000
Tallow, edible	8,621,000	6,316,000
Inedible	94,155,000	106,289,000

Fish and Marine Mammal Oils[3]

Cod	18,000	1,298,000
Codliver	4,000	977,000
Marine mammal	[2]	1,297,000
Other fish	[4]636,000	11,964,000
Other liver	245,000	536,000

Greases

Greases (including garbage and house), other than wool	51,671,00	39,281,000
Wool grease	1,542,000	1,087,000

Secondary Products

Animal fat and oil fatty acids	21,427,000	19,243,000
Animal foots, 100% basis	2,341,000	2,292,000
Fish and marine mammal fatty acids	2,869,000	734,000
Grease and lard oil	5,031,000	4,239,000
Oleo oil	4,172,000	832,000
Red oil or oleic acid	6,343,000	5,704,000
Stearic acid	4,904,000	3,902,000
Foots, from fish and marine mammal oil (100% basis)	[2]	1,050,000
Stearin, animal, edible	2,856,000	1,761,000
Inedible	1,928,000	1,007,000
Stearin, vegetable oil, winter	5,347,000	5,513,000
Tallow oil	4,149,000	933,000
Vegetable oil fatty acids from foots and other than from foods including fatty acids from tall oil, palm oil, refuse, etc	10,777,000	12,693,000

Other Products

Glycerin, chemically pure (100% basis)	7,741,000	5,446,000
crude (100% basis)	14,063,000	13,831,000
high gravity and yellow distilled (100% basis)	5,323,000	5,388,000
Hydrogenated oils, edible	86,099,000	80,855,000
Inedible	14,590,000	13,603,000
Shortening	119,343,000	875,000
Winterized vegetable oils	26,555,000	...

[1] Bureau of Agricultural Economics collected the data on production and stocks from crude peanut oil producers.
[2] Included in "All other" vegetable oils.
[3] Fish and Wildlife Service collected the data from fish oil producers.
[4] Includes 6,904,000 pounds of herring, sardine, and pilchard, and 9,715,000 pounds of menhaden for July.
[5] Not shown to avoid disclosure of individual operations.

Raw Materials Used

	Tons	
	Consumption	Stocks July 31
Castor beans	12,546	8,434
Copra	9,393	6,122
Corn germs	15,033	894
Cottonseed	283,336	482,006
Flaxseed	64,879	73,816
Palm kernels	...	...
Soybeans	459,554	1,181,128
Tung	4,312	1,275
Other[1]	6,494	8,965

[1] Peanuts not included.

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Corporation Earnings

Cliffs Corporation

	1945	1944
Net income, year, Dec. 31	$774,882	$774,919
Per share	.96	.96

Continental-Diamond Fibre Co.

	1945	1944
Net income, year, Dec. 31	$345,814	$380,118
Per share	.76	.84

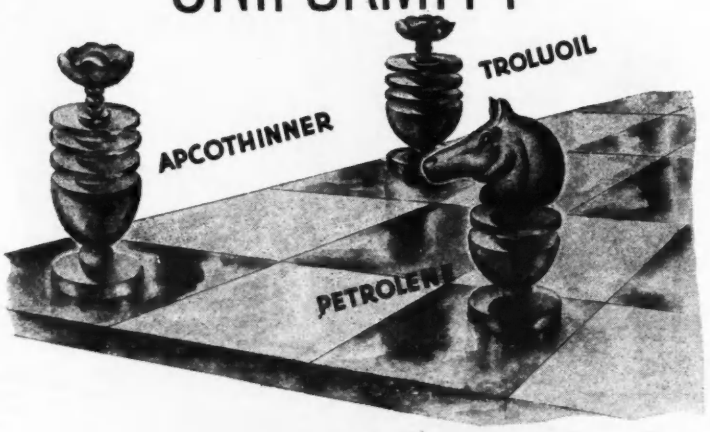
Durez Plastics & Chemicals, Inc.

	1945	1944
Net income, year, Dec. 31	$570,371	$525,003
Per share	1.14	1.23

Inspiration Cons. Copper Co.

	1945	1944
Net income, year, Dec. 31	$1,331,952	$1,588,770
Per share	1.13	1.34

UNIFORMITY



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A material specifically recommended as an addition to clear metal lacquers to:

Prevent **greening of dipping lacquers in the tank**

Restore **original color of lacquers already turned green**

PREVENTION of greening of dipping lacquers is accomplished by simply adding STABILISAL C to the dipping lacquer before using it.

RESTORING original color of dipping lacquers already turned green is accomplished by adding STABILISAL C in recommended amount to such lacquer, thus reclaiming it for satisfactory use.

AMOUNTS TO USE will depend somewhat on the stability of the cellulose nitrate, the acidity of the resins and solvents present, and on the ease with which the solvents hydrolize. Normally, it is well to start off with an addition of one part of STABILISAL C to 300 or 400 parts of the lacquer as actually used.

PROCEDURE — STABILISAL C is a liquid which is readily measured out and easily mixed into the lacquer. There is no special procedure needed and there will be no effect on the lacquer's performance otherwise as regards durability, adhesion, or other essential characteristics.

SPECIFICATIONS

Color	Amber
Specific Gravity	1.0999 — 1.01 @ 25°C
Lbs. per gallon	8.41

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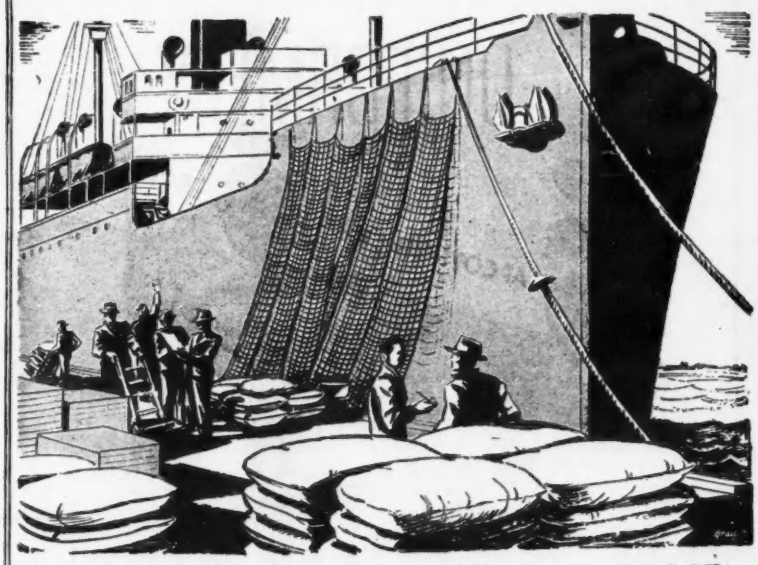

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